





House & Garden

On the cover:

When you are remodeling, take the opportunity to expand your outdoor living space by creating a dining area on a sheltered porch or patio. A grass-green vinyl tile floor, potted plants, plastic "brick" wall covering and a lattice that admits sun and soft breezes make an inviting background for al fresco meals during all except the coldest months of the year. Adaptable leisure furniture such as console tables can be teamed for buffet serving or used separately for seated dinners (for a more complete view of this buffet setting, see page 166). "Athenian" tables by Birmingham Ornamental Iron Co. Vinyl tile by Amtico. Plates by Westmoreland Glass Co. "Continental" pattern sterling silver by The International Silver Co. For shopping information, turn to page 191.



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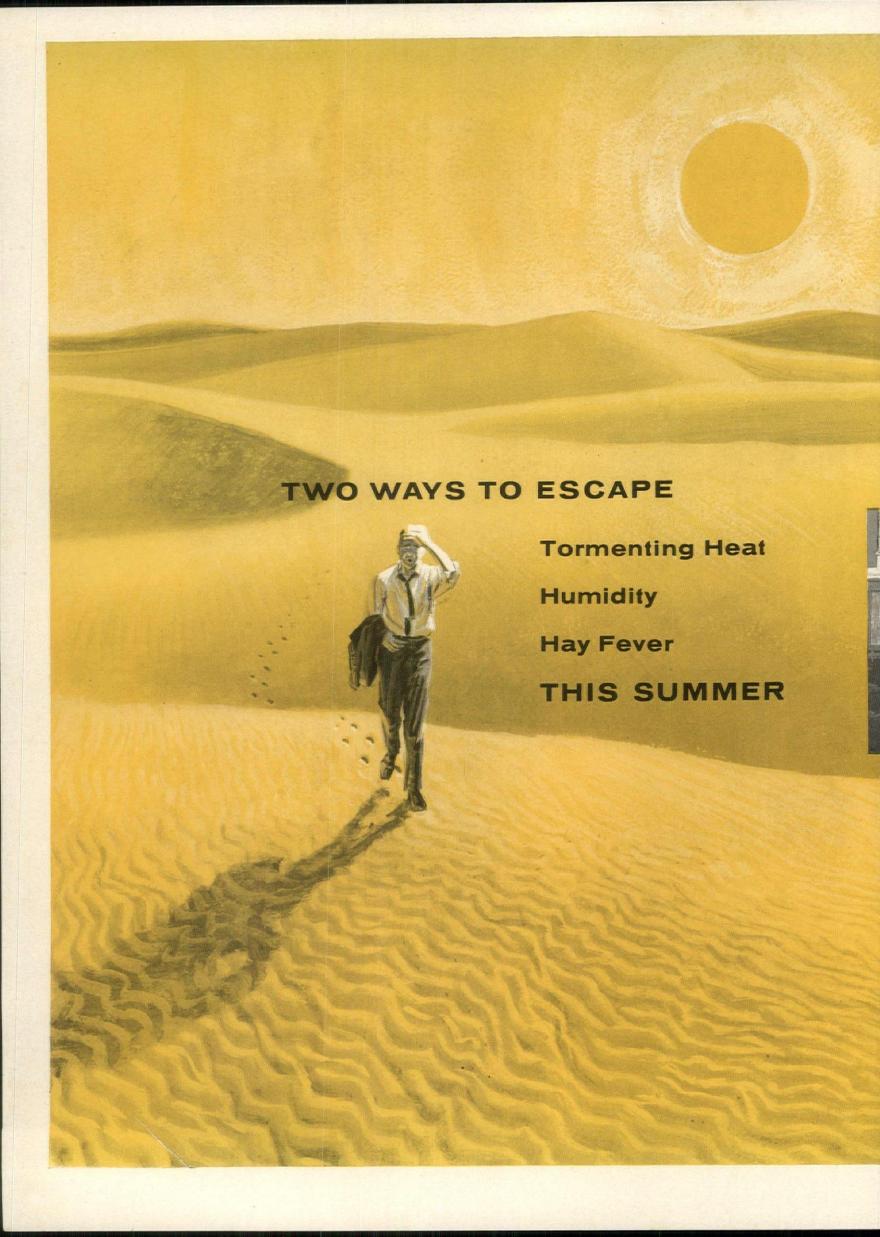
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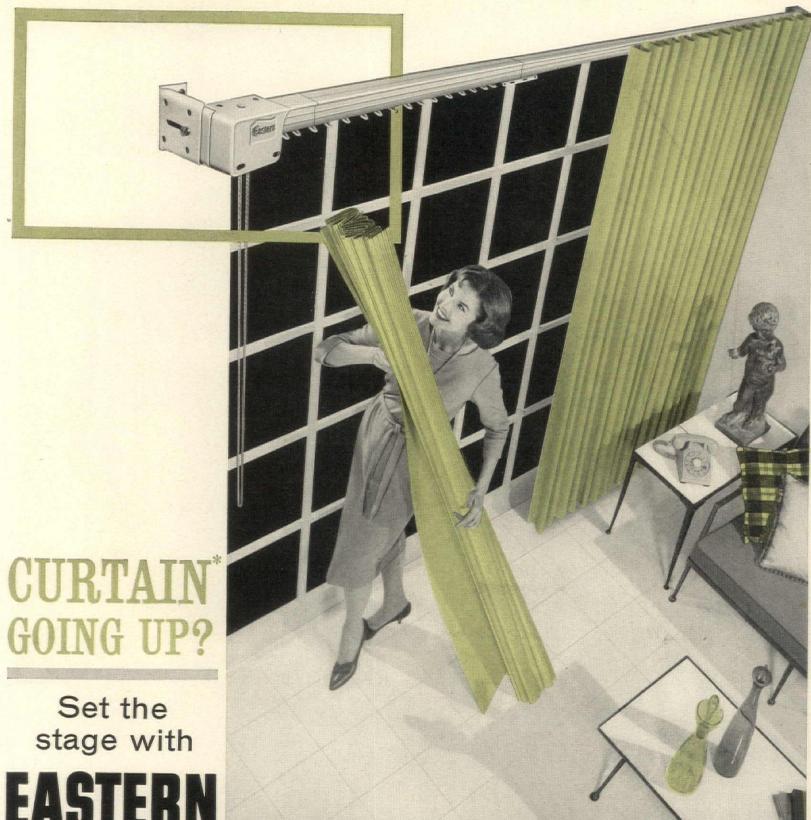
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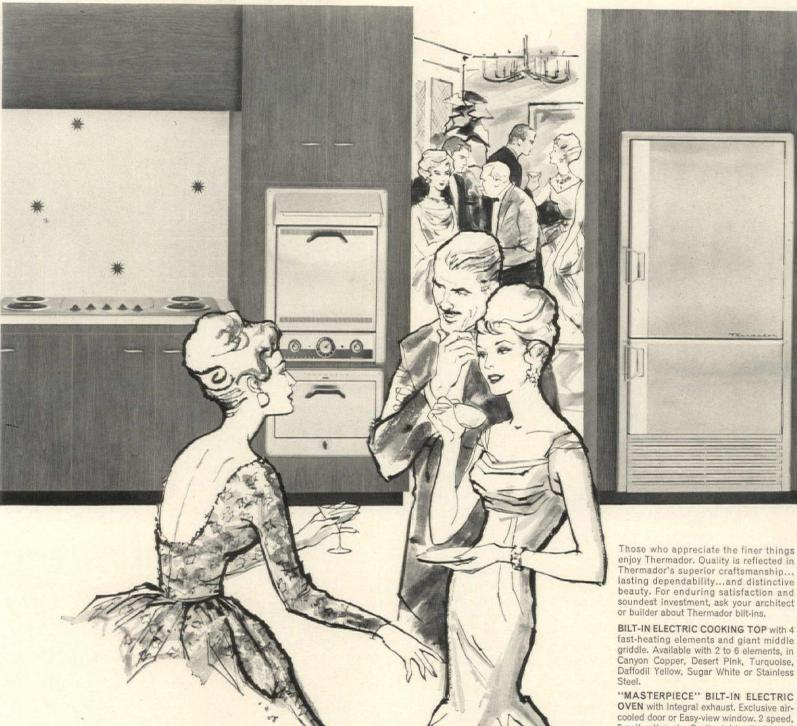


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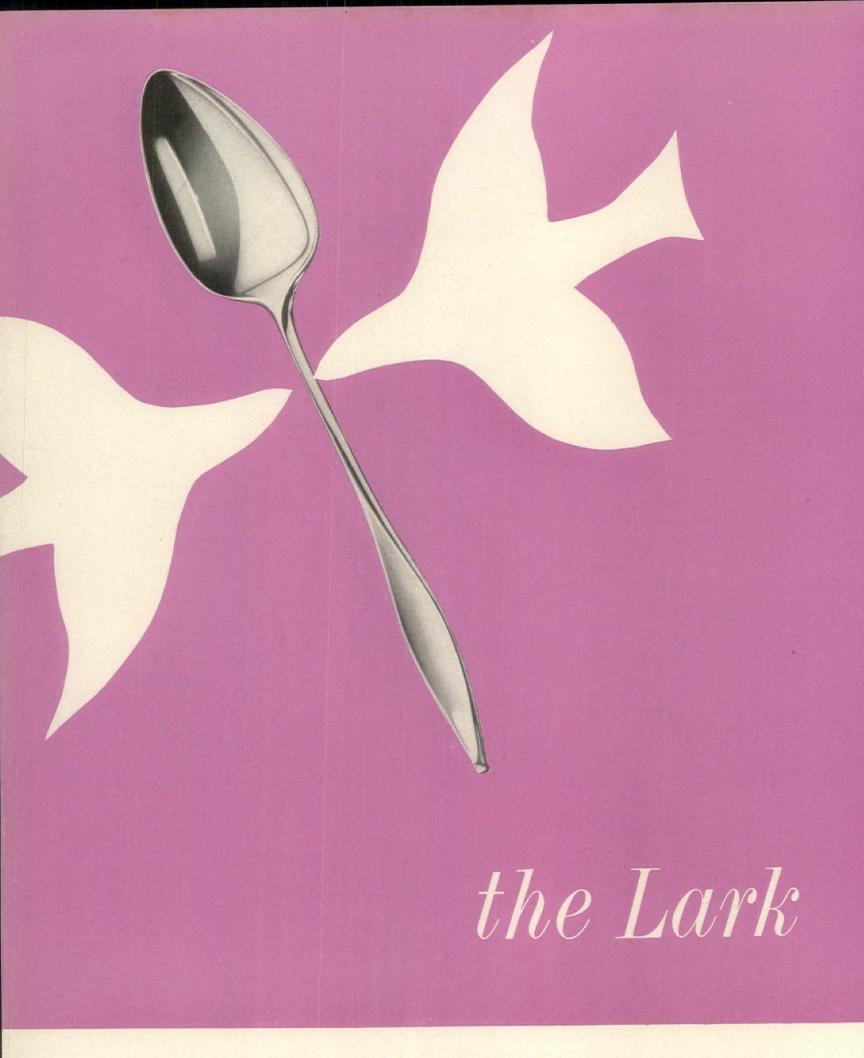
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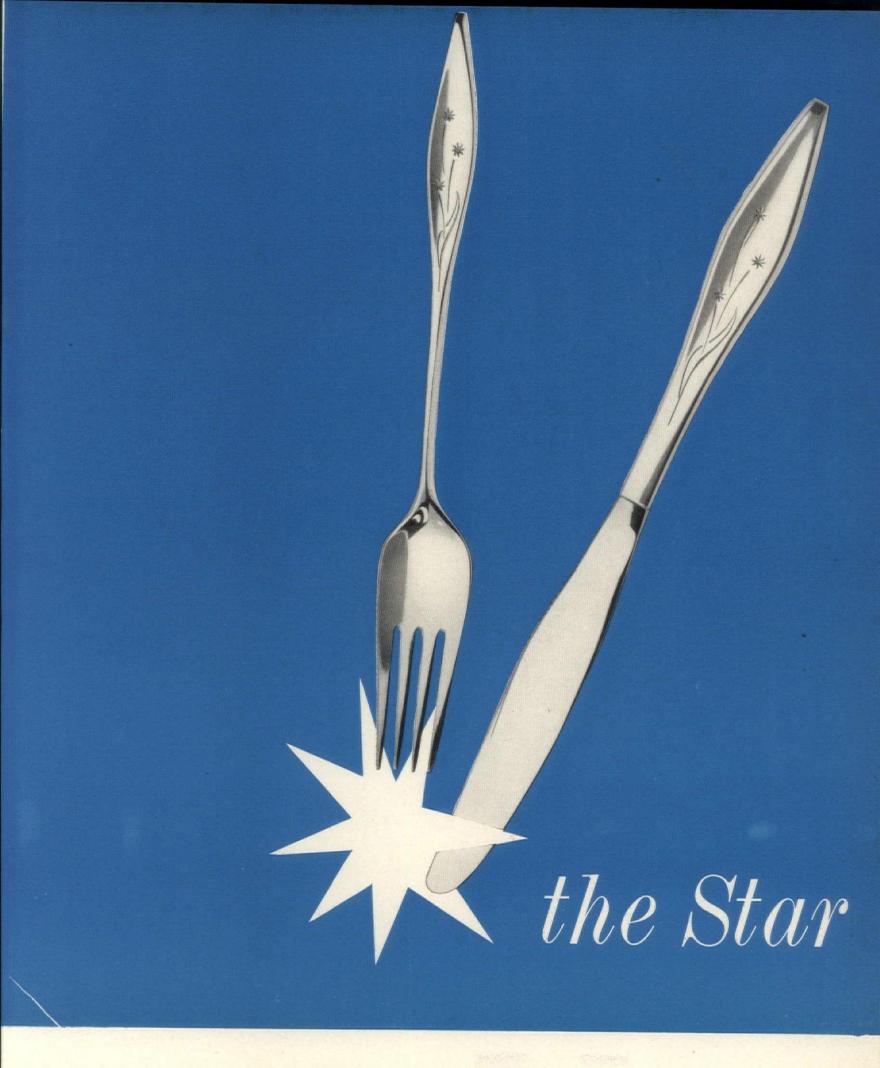
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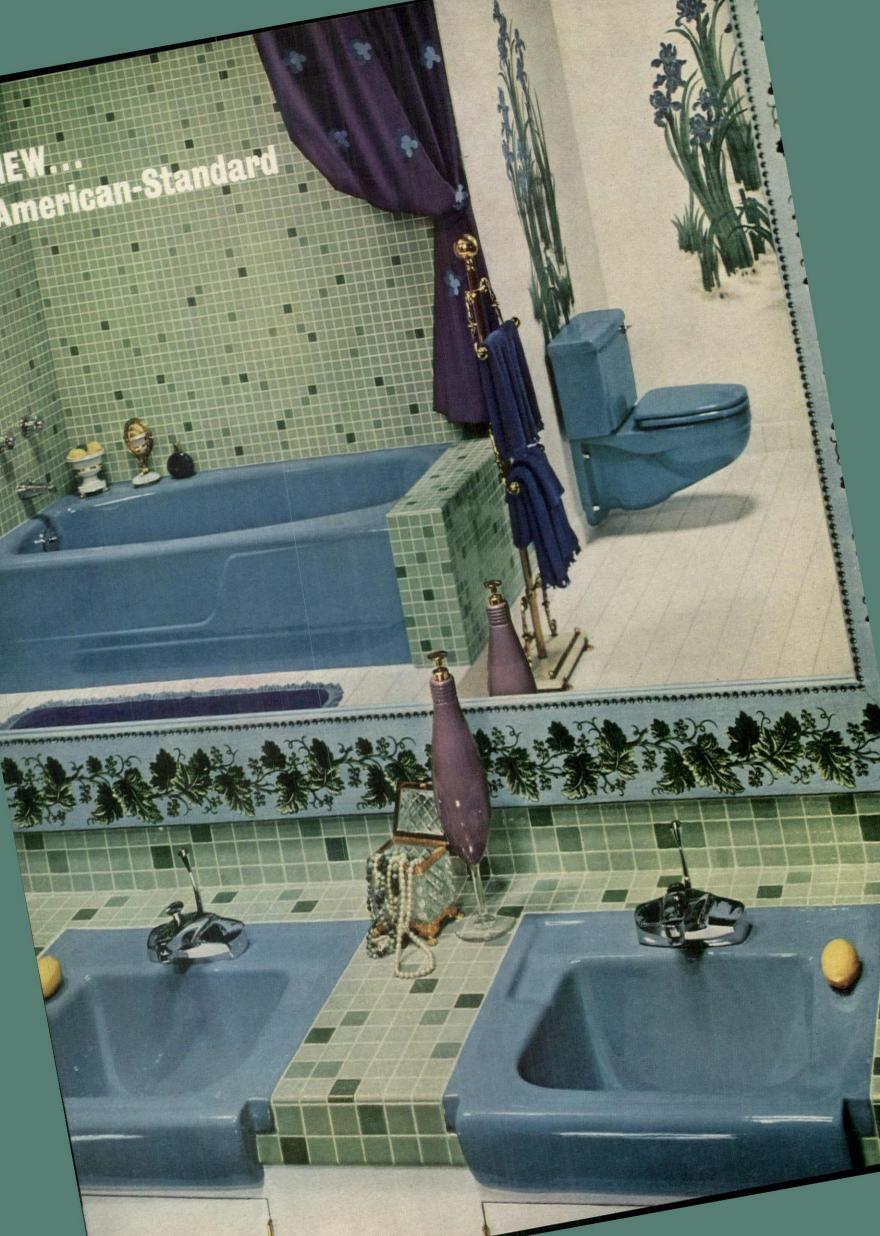


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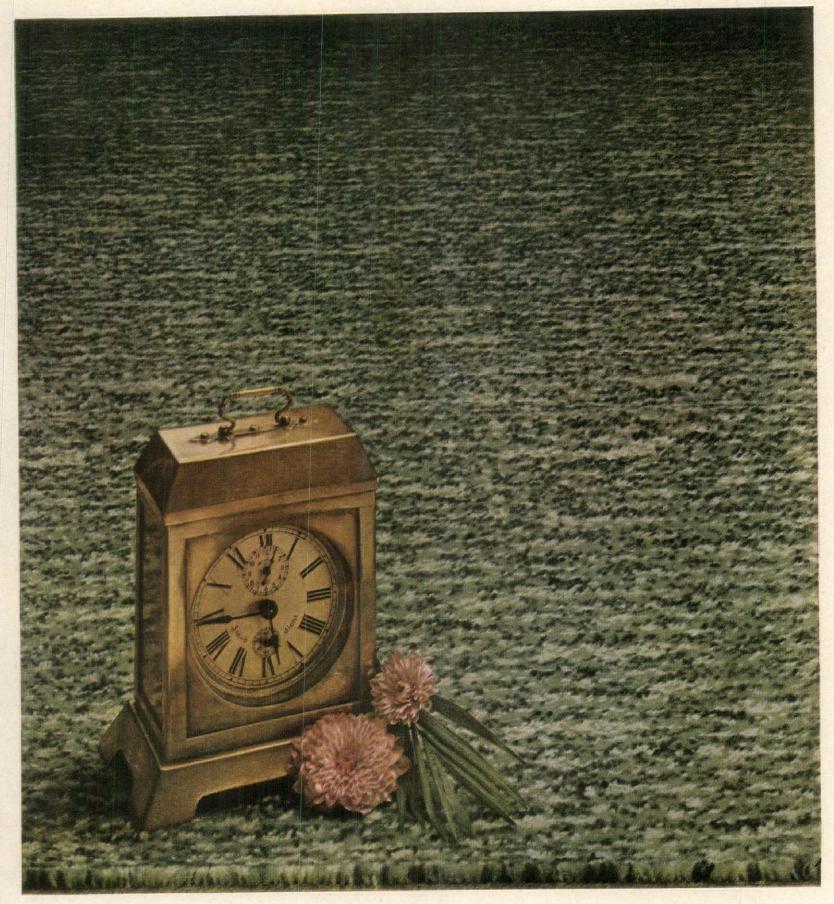
ASHINGTON

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Watertown Kit. by Jaeger
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NEWS IN NYLON!

Rich carpet patterns by Alexander Smith!

This is "Prelude Texture"—an exciting new look in patterned broadloom with lush pile woven of

100% Du Pont Carpet Nylon. Plush texture, clear colors, and imaginative styling provide new luxury

for your home. Du Pont Carpet Nylon makes it so practical! See what beautiful effects Alexander Smith achieves with nylon—for you.



Du Pont makes fibers, not the carpet shown.



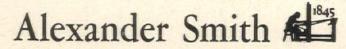
DU PONT

CARPET NYLON



Mr. Smith's lovely new floral brings timeless beauty to nylon

Trust Mr. Smith to be the first to combine the best of the present with the timeless tradition of the past! Here is the perfect example...beautiful new "Classic Flair." It's thick, luxurious, high-pile textured Du Pont-nylon plush...easy to care for, crush resistant, incredibly durable. A homemaker's dream come true, because now you can have all the wonder of nylon with the charm, the elegance, the grace of tradition's much-loved floral design. And for new room-to-room beauty, see how the lovely "Flower Song" pattern combines with handsome "Prelude Texture" (shown on the opposite page). To make this new decorating concept of harmonizing pattern and texture work easily for you, "Flower Song" and "Prelude Texture" have been color coordinated in five soft, beautifully blended Living Colors.





The loveliest dreams begin with Chatham Lightweight Blankets

Beauty to delight you as well as airy warmth to comfort you—on cool nights, for your air conditioned summer, as an extra throw the year around. And for the loveliest of springtimes see one of the delightful new hand screened prints—with companion solid colors in Chatham lightweight blankets

to coordinate with any color scheme. Perfect gifts for brides, Mother's Day, anniversaries. See all the new fashions in Chatham lightweight blankets now. About \$4 to \$8 at stores everywhere. Or write Chatham Blankets, 111 West 40th St., New York 18, N. Y.

Chatham Manufacturing Company, Elkin, North Carolina, makers of fine fashion fabrics for men and women and baby blankets, too.



"Our remodeled home is now

Coolest in Summer...Warmest in Winter...

thanks to our new SUN VALLEY* All-Year® Air Conditioner

It costs so little, too ... because it's GAS!"

Say Mr. and Mrs. HAROLD LEVINE of Tulsa, Okla.



TUMMER HEAT and winter's chilling temperatures no longer bother Mr. and Mrs. Levine. They remodeled their Tulsa home for comfort. They installed a new Sun Valley year-round Gas air conditioner.

You can enjoy the same comfort . . . and the same economy, too! With an Arkla-Servel Sun Valley Gas Air Conditioner you can heat or cool every room in your home. Yet monthly bills are low . . . lower in fact, than many pay to cool a few rooms with other-type units.

Choose the economical, dependable way to be comfortable. Whether you're remodeling your home, or building a new one, insist on an Arkla-Servel Sun Valley Gas Air Conditioner.

CAREFREE OPERATION-Your Sun Valley is a cinch to operate-just one easy-toset thermostat. A single, compact unit cools in summer, heats in winter. And because it works with Gas, there's no need to worry about fuel deliveries. Your Sun Valley provides low annual maintenance and long life, too, because there are no moving parts in the cooling cycle. In fact, you can compare the life of the unit to the life of your home.

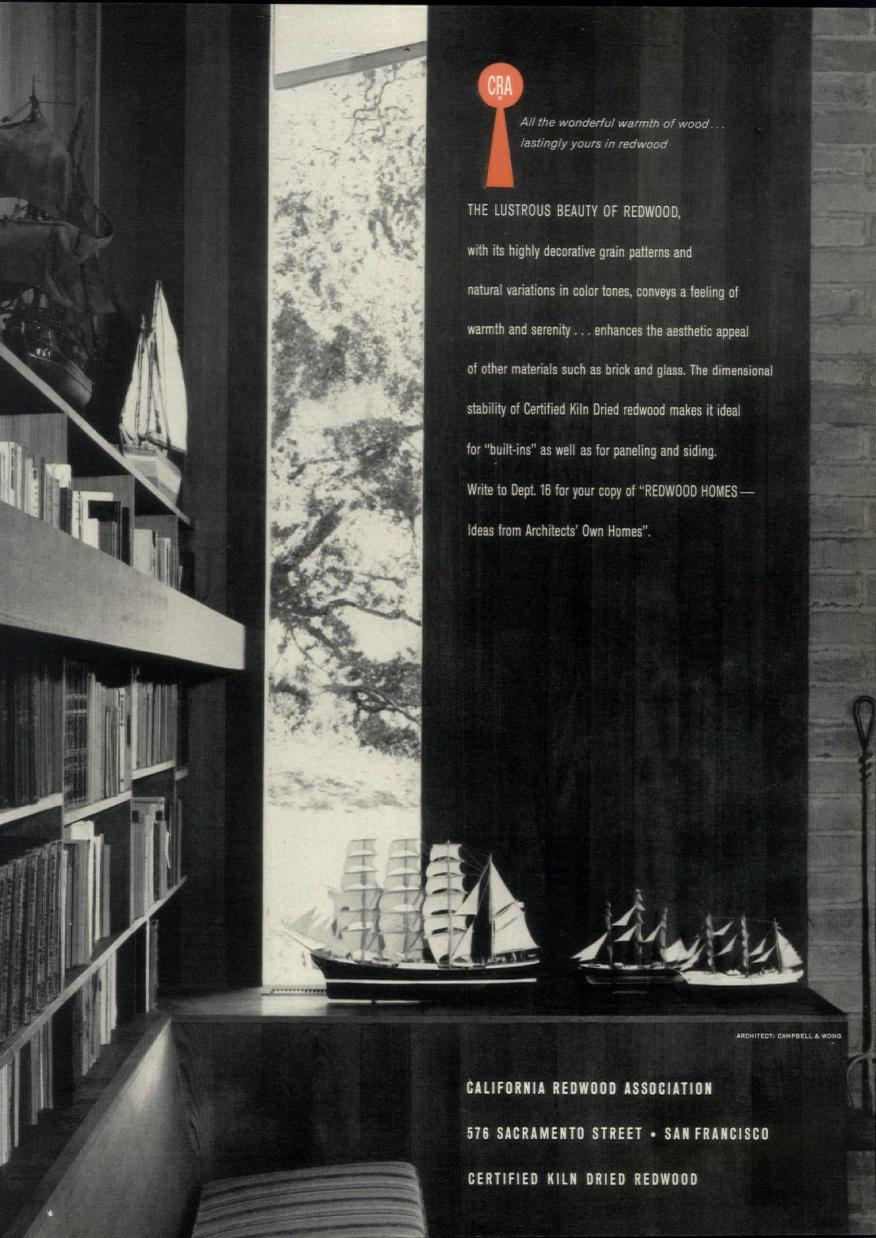
Call your local Gas company, your Arkla-Servel dealer or write Arkla Air Conditioning Corp., 812 Main Street, Little Rock, Ark. There's a Sun Valley available in models and sizes to fit any home. Five-year warranty.

AMERICAN GAS ASSOCIATION



ONLY GAS A does so much more...for so much less!

*Trademark. Product of Arkla Air Conditioning Corp., General Sales Office, Little Rock, Arkansas



enchanting!

that's the word for the lace-like charm of Rose Point, a delicate pattern in fine Wallace Sterling. Shown: parfait (iced beverage) spoon, \$7.50. Six-piece setting in heavy sterling silver, \$37.50. At the finest jewelry and department stores. All prices include Federal Tax.

WALLACE SILVERSMITHS

... at Wallingford, Conn. since 1835



Antiques

QUESTIONS &

This column is devoted to questions about old things.

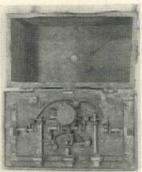
No attempt at evaluating antiques will be made.

Letters will be answered on this page or by mail.

One question to a letter, please. Mail letters to

House & Garden, 420 Lexington Ave., New York 17, N. Y.





EUROPEAN STRONGBON

We enclose photographs of an iron chest 10" high, 13" wide and 7½" deep; a view of the lock mechanism in the lid and also a picture of the key. Can you tell us more about the chest, its age and its purpose?

A.Y.H.—San Antonio, Tex.

Your iron chest or strongbox is of European provenance and could date as early as the latter part of the 17th century. Chests of this kind were used for safekeeping of money, jewels and important documents. Similar ones with like decorative trim have been made in France, Germany and Holland and probably in other European countries as well.



VICTORIAN CHAIR

To what period does this chair belong? It was given to me in 1938 and is said to have been in the family for over 100 years. The wood is dark, possibly walnut or mahogany.

A.C.W.—Arlington, Va.

It is an American Victorian side chair of the spool-turned type. It dates about 1850-60. The wood is black walnut, for mahogany was out of fashion at that time.



TANDING TEAKETTLE

My copper teakettle hangs on an ornate black iron stand, the hanger shaped like a large number five. The burner and snuffer are copper. Is this an antique?

R.D.McC.—Dunn, N. C.

This teakettle with wrought iron floor stand dates between 1880 and 1895. At that time many well appointed American homes were provided with such special equipment as your standing teakettle for serving afternoon tea.

ANSWERS BY THOMAS H. ORMSBEE



AMERICAN EMPIRE CHEST

I would appreciate any information on my sideboard of mahogany veneer with carved claw feet and Sandwich glass knobs. It has been in my family for many years.

F.L.E.-Rutland, Vt.

You have an American Empire period chest of drawers. Details indicate it was made between 1820-30, by a New England cabinetmaker, possibly Fisher, who is known to have worked in Rutland.



FRENCH PORCELAIN CLOCK

We purchased this blue porcelain clock recently with the mark J P on it. Can you tell something about its origin?

S.R.-Sioux City, Iowa

The porcelain case of your clock with the mark J P was made at the factory of Petit, Jacob & Mardouchee at Fontainbleau, 37 miles from Paris. The company was established in 1830.



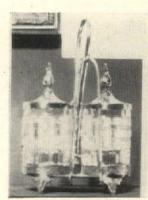
MANUFACTURED for W. AUTTON & SONS LTD.

DOULTON PITCHER

Will you explain what these marks, found on the bottom of this pitcher, mean? I bought it at an estate sale.

R.B.S.—Fort Lauderdale, Fla.

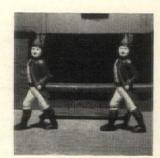
The mark Doulton, Lambeth, England, means that the pitcher was made by the Doulton Potteries at Lambeth, a section of London, sometime between 1891 and 1910, when they moved to the present factory on Niles Street, Burslem, Staffordshire. W. Hutton & Sons, Ltd. had several retail china stores in England.



PICKLE CASTER

The mark, Meriden B. Company enclosed in a circle appears on the silver holder of these two silver lidded glass jars with tongs that hang on the handle. What is its purpose? K.P.-Washington, D.C.

It is a silver-plated pickle caster, dating about 1870, made by the Meriden Britannia Co., Meriden, Conn., now part of International Silver Company.

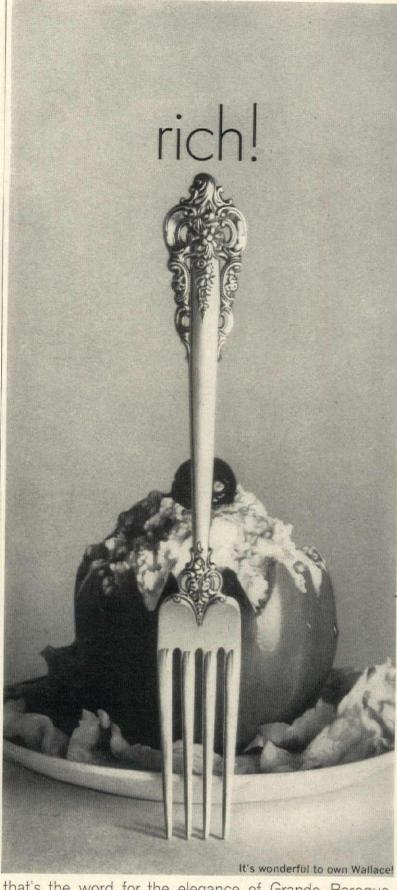


HESSIAN SOLDIER ANDIRONS

I have been advised that these fireplace irons could be rare antiques. Any information will be appreciated.

J.A.F.—Atlantic City, N. J.

Andirons in the form of Hessian soldiers of the American Revolution were made by Pennsylvania iron foundries in the early 19th century and are now high priced antiques. Your irons, in flawless condition are probably 1935 copies.



that's the word for the elegance of Grande Baroque, a magnificent pattern in fine Wallace Sterling silver. Shown above: luncheon fork, \$10.50. Six-piece placesetting in heavy sterling, \$45.00. At the finest jewelry and department stores. All prices include Federal Tax.





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We wrapped our Spring Air
"HEALTH CENTER" INNERSPRING
in buoyant foam and created
this magnificent new mattress

You've never known such sleeping luxury before because never before has there been a mattress such as this! A famous Spring Air "Health Center" innerspring completely wrapped in airy buoyant foam. Floats you off to sleep . . . yet cradles you firmly for the support you need. An entirely new kind of sleeping experience. Ask for the smooth top "Health Center" Ultima—now—at fine stores everywhere. Mattress or matching box spring, full or twin size. Suggested Retail Price \$89.50



NEW! SO EASY TO HANDLE 45% lighter than a standard innerspring. So much easier to air, to turn, so flexible for slipping on fitted sheets.



EXCLUSIVE "HEALTH CENTER"
Extra firm support in the mid-section where 70% of your body weight lies for more restful sleeping.



NEWI CLEANABLE TICKING!
High count French Toile
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specially for this mattress
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SPRING AIR

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PULLDOWNS 7

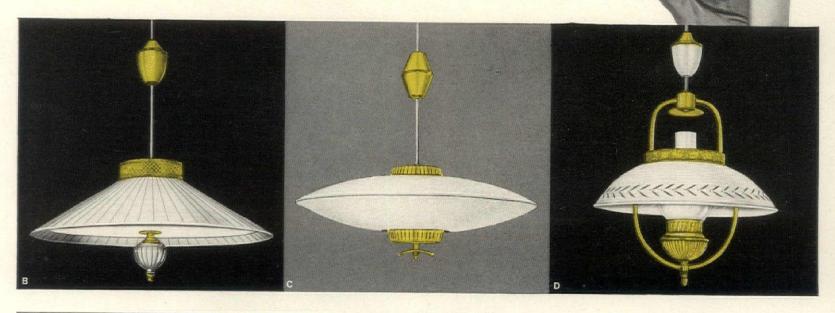
by MOE LIGHT

...at special introductory prices!*

Here's the perfect opportunity to give your home a smart new fashion flair with today's most versatile idea in decorative lighting . . . and realize an important saving, as well! Replace that old fixture with a striking new MOE Light PULL-DOWN. Choose from smartest decorator styles to flatter your living or family room . . . set a new mood in your bedroom . . . glamorize your dining or break-

fast area. The most decorative fixtures in use today . . . for contemporary or traditional settings . . . PULL-DOWN by MOE *Light* bring you the best in creative lighting, versatility and beauty. Your electrical, building supply or hardware dealer is offering these unusual values, now. See them soon . . . and put *your home* in the light of fashion!

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Key to illus.	MOE Light Pull-down Fixture	Model Number	Regular Price	Special In- troductory Price
Α	Perforated Polished Brass; adjusts 19" to 47"; 20" dia. shade	M-1529	\$34.95	\$29.95
В	Antique White and Polished Brass; adjusts 18" to 461/2"; 20" dia. shade	M-1535	\$34.95	\$29.95
	Frosted White and Polished Brass; adjusts 16" to 411/2"; 21" dia. shade		\$29.95	\$24.95
	Antique White and Polished Brass; adjusts 251/2" to 53"; 16" dia. shade		\$39.95	\$34.95

(Add a Moe Light M-1599 Track to move fixture back and forth 6 feet.)

*Special introductory prices offered until May 15th only. Prices shown are for fixtures only





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... for new 64-page decorative lighting guide, "Visions of Beauty ... Fashions in Light." Shows in full color how to decorate every room in your home with light.

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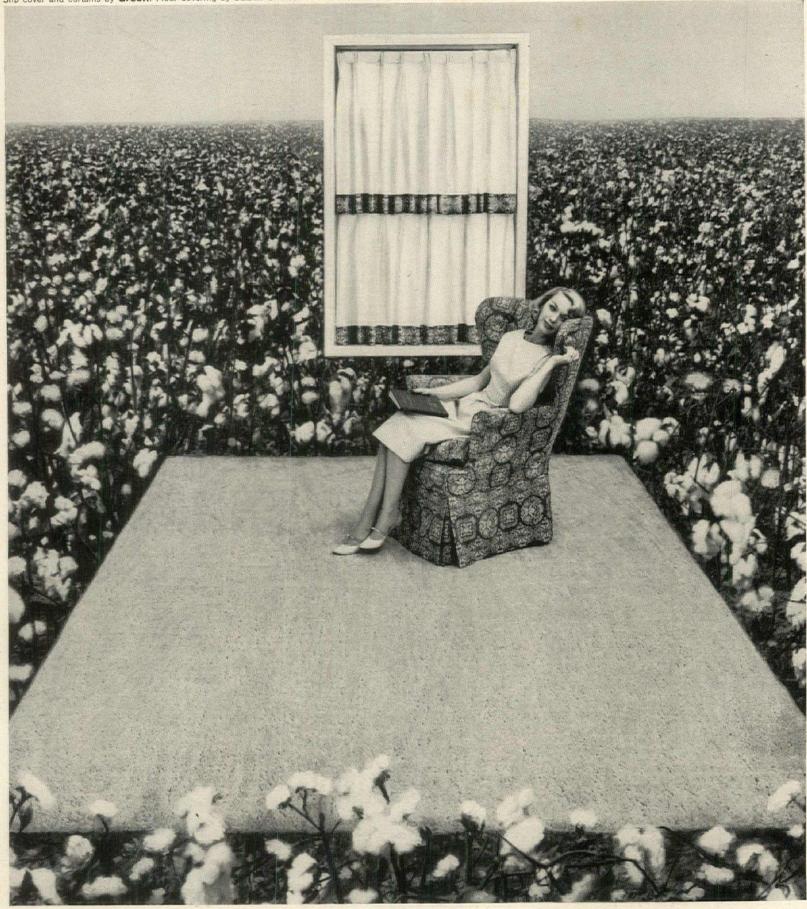
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- ☐ I enclose 25¢. Please send my copy of 64-page decorative lighting guide.
- Send name of my nearest MOE Light Dealer

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for home furnishings

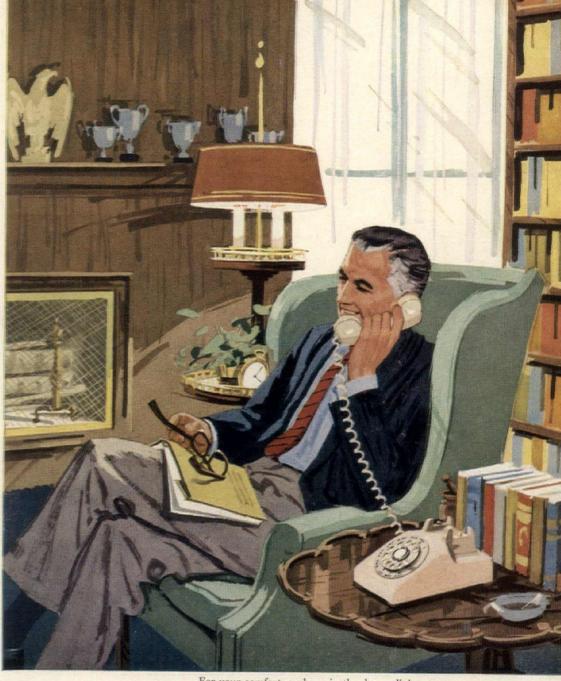
Everybody says it's such a pretty room—so hospitable, somest chair is covered with cotton; the floor is aglow curtains. No matter when the time or what the season refreshed, so successfully refreshed! Soap and water are Nature has done so much to make cotton do so much

otton is a natural

so reassuring—and it's cotton wherever you turn. The hand-with cotton carpeting; the light at the window filters through cotton an inviting radiance surrounds it all, because cotton is so easily all the beauty treatment it ever needs to restore its original charm. for the home. National Cotton Council, Memphis—New York

Home-wide Telephone Convenience

...to fit
your family's
way of life



For your comfort, a phone in the den or living room.



For young people's privacy, phones of their own.

A phone in the bedroom gives convenience and safety.



Your telephone is probably busier than ever these days . . . making engagements, ordering goods and services, keeping you in touch with family and friends.

And since it is so useful, extension phones should be as handy as possible throughout your home, within easy reach wherever members of your family work or play or sleep.

Then calls can be made and taken with the least effort and the most pleasure.

Making telephone convenience home-wide is easy and inexpensive to do. And in their wide variety of colors, extension phones are lovely additions to your nicest rooms. To order, just call or visit your Bell Telephone business office.

BELL TELEPHONE SYSTEM



A phone in the kitchen saves time and steps.



The six-room ranch of Mr. and Mrs. Bruce White, 2635 Lincoln Lane, Indianapolis, Indiana. The Gold Medallion at the entrance means that the White home is heated electrically, has at least four major electric appliances, is wired for Full Housepower (ample wiring, switches and outlets for present and future needs), and features lighting planned for good living.





"Now we know total-electric living is not just



There's no love lost when Fritz White and his sister, Ruth Ann, sit down to checkers. Usually the games are played on the living room floor. No drafts here, thanks to automatic electric heat and good insu-

lation. And clean? With no fuel to burn, there can't possibly be any soot or dust from combustion. Furnishings and walls in the White home haven't been touched in two years, still look new.



for rich people,"

"... even our automatic electric heating costs us less than old-fashioned heating did," says Bruce White.

At a lower cost than you might think, electricity heats, lights, cooks, washes, dries, keeps water hot—food cold, and helps entertain the Whites of Indianapolis in their Gold Medallion Home—equipped by General Electric.

Mention total-electric living and Bruce White lights up. He could talk about the subject for hours—and does. "It's not so much the economy," he stresses, "it's the comfort and convenience you get for your money. Look around . . . about the only things that aren't electric are ourselves and Tommy. He's the cat."

"You know, we used to live on a farm before this and I can still remember lugging oil into the house for heat. Total-electric living? That was for rich people. But here we are in our own electric home where living is easy on me—and on my wallet."

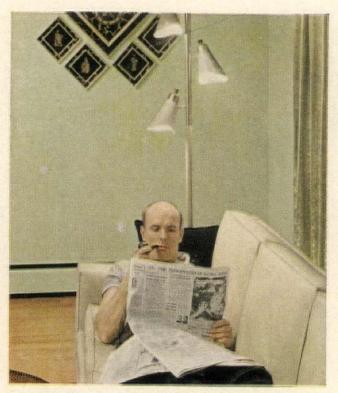
Call your local electric utility for information about the advantages and economies of Medallion Home living in your area...today!



A budding civil engineer, Fritz White 17, cracks a tough algebra problem in the den, while Mom and Pop sip tea in the kitchen. With thermostats in every room, temperatures can be controlled to individual preference.



"One look at the General Electric kitchen and that decided it," says Mildred White. "Honestly, cooking is fun again and so automatic, I'm an expert. Off the kitchen is our laundry room with General Electric washer and dryer. As my mother, who lives with us, puts it, 'without those machines we'd all be full time washer women."



Proper lighting helps Bruce White relax as he performs his after-dinner ritual of reading the papers. Typical of lighting throughout the house, the pole lamp is functional, yet fits right in with the Whites' decor.

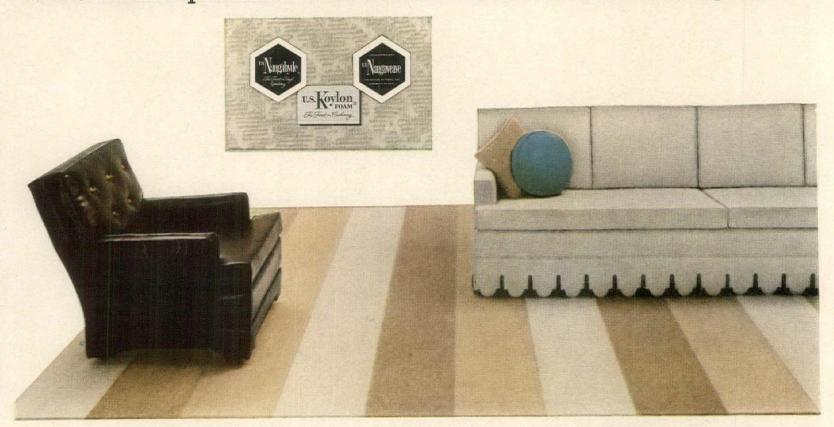
Progress Is Our Most Important Product







W&J Sloane presents comfortable, colorful, carefree living with...



U.S. NAUGAHYDE U.S. KOYLON FOAM the finest in cushioning

the finest in vinyl upholstery

The luxury of light, bright, beautiful colors is made completely practical and amazingly durable with the most modern of all upholstery fabrics-U.S. Naugahyde. For this serene and lovely room, W&J Sloane designer Guy Roop, A.I.D., chose both famous Naugahyde and new breathable U.S. Naugaweave tailored over the perfect comfort of U.S. Koylon Foam cushioning. Imaginea white sofa that resists spots and stains, needs only a damp cloth to keep it fresh and new-looking! Even the walls are covered with wonderful Naugahyde! Both Naugahyde and Naugaweave are available in a wide range of patterns, colors and textures. And here's exciting carpet news! On the outdoor terrace is U.S. Royal, new weather-resistant carpet-textured vinyl, shown

in photo at top right. See this carpeting and furniture at W&J Sloane, Barker Bros. or Sunniland stores throughout the country. For color photo of room shown and complete price list just send a postcard with return address to: W&J Sloane, 575 Fifth Avenue, Dept. B, New York 17, N. Y.







Send for swatches of Cabin Crafts nylon textures to feather your nest

Name	
City	State

Even these fledgling decorators appreciate how much originality Cabin Crafts carpets of Dupont nylon add to a home. Each one is a *rara avis* of texture and design. Just look at the intriguing variations. You need Cabin Crafts expert way with today's fibers to create such individual effects in loop pile and cut pile and plushy velvet. When you

Address_

I enclose 25¢ to cover mailing costs.

get the four swatches we send, you can feel the superb, deep textures and picture how luxurious they will look in your home. Another great thing about Cabin Crafts nylons. They all have our exclusive Formula N stay-clean finish. Prices from \$9.95 to \$17.95 a sq. yd. Mail coupon and 25¢ to Cabin Crafts, Inc., Dept. HG-15, Dalton, Georgia.

CABIN CRAFTS

A better idea in rugs and carpets... Needletuft by



American-Marietta is dedicated to making your decorating jobs easier, more pleasurable and better!



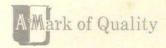
For a perfect start on your next painting venture ask your dealer to lend you A-M's new book entitled "Decorating Colors and Suggested Color Combinations." It was prepared by one of the foremost color experts and has been acclaimed for its fashion approach, its simplicity and effectiveness.



about Rev

Satin Latex, the interior paint with the "Controlled Spreading" feature. It's probably the most popular paint in A-M's full paint line, but its quality and easy performance are found in every A-M product.

If your decorating problem is "special," tell your A-M dealer about it. He's especially equipped to help you with it ... because we're especially equipped to help him help you.



WHAT YOU SHOULD KNOW ABOUT NAILS

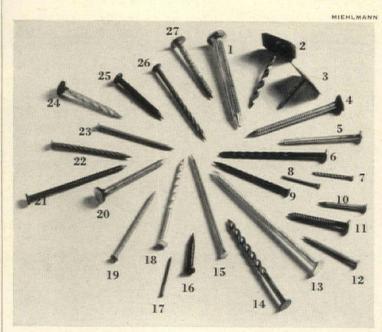
Nails are small in size only—properly used, they do a giant's job of keeping your house together

In the construction of an average sized, \$15,000 frame house about 67,000 nails of thirty-five different sizes and types are required to hold together adequately all the various materials. The fact that there are so many types of nails available today is a good example of the extent to which once simple, uniform building materials have been developed into new and specialized products. Today each kind of nail has a specific job to do-whether it is to attach wood to concrete, asbestos shingles to plywood, or simply one board to another for general framing.

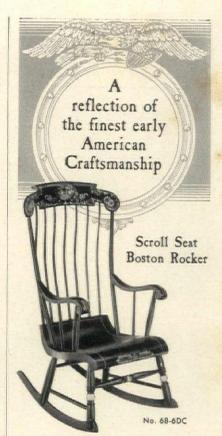
How to buy nails

Architects and building contractors are well aware of new developments in nail design and they usually specify the type needed to do the proper job. But for smaller projects that you may undertake to do yourself, some knowledge will be helpful. You don't necessarily have to know all the various types of nails and their uses but you should know what information to give your building materials dealer so that he can supply exactly the kind of nails you need. To walk in and ask simply for nails, or to pick them up at random from a case could turn out to be a great mistake. Instead, tell the dealer what sort of project you are contemplating-whether it is outside the house or inside; whether you are using metals as well as wood; how thick your materials are; and

Continued on page 58



1 Masonry nail for fastening wood sills to concrete foundation. 2, 3 Cap nails for built-up roofing. 4, 20, 24 Nails with washers for fastening corrugated or sheet metal siding. 5 Underlay floor nail for floors under carpeting, linoleum or tiles. 6, 13, 18, 26 Common nail for framing and general use. 7 Parquet flooring nail. 8, 17 Interior hardboard nails, 9, 11, 12, 19, 22, 27 Asbestos shingle nails, 10, 16 Nails for fastening wood, asphalt or asbestos shingles and siding to plywood sheathing, 14, 21 Nails for sub-floors, 15 Colored nail for wallboard. 23 Interior wall board nail. 25 Drywall nail. All these nails manufactured by Independent Nail and Packing Company.



Regarded as a collector's item itself, this museum-piece reproduction of a rare Scroll Seat Rocker, is a chair of such craftsmanship and distinction, such comfort and charm, you will feel fortunate, indeed, to own one. It is a truly deluxe rocker..."the best of its kind."



Graceful Fan Back chairs that are at once sturdy and refined, simple and attractive and eminently suited for dining-room, dinette, den, or as occasional chairs that blend beautifully with other periods.



Gov. Winthrop Arm Chair No 1940-5

A distinguished chair named for a distin-guished man...with the dignity, simplicity and graciousness that enable it to live happily either with a Gov. Winthrop desk, or a TV set.

These reproductions and others at better furniture and department stores



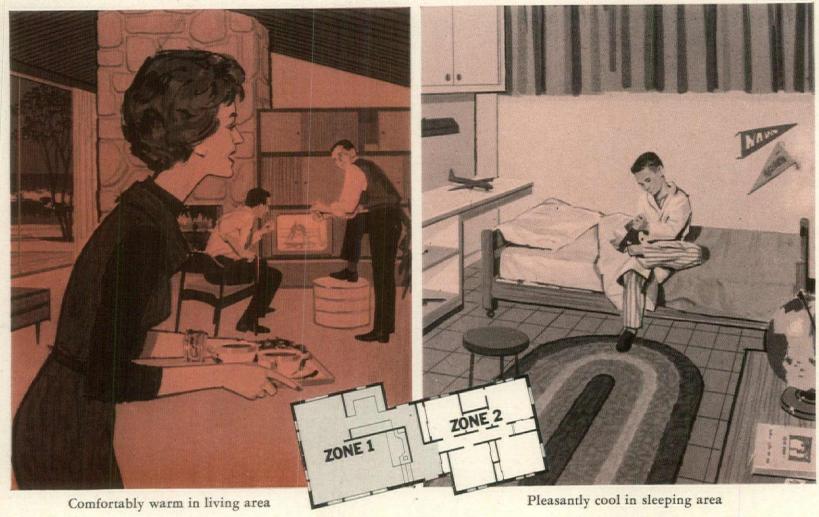
Send for Booklet!

"How To Choose The Right Colonial Chair," with helpfu ideas, interesting illustrations, an historical information.



Street		
	1000	

The comforts of Zoned Living



CUSTOM COMFORT FOR YOUR QUALITY HOME

With Warm Air Heating

Two furnaces, with a separate thermostat for each, let you regulate the heat for different sections of your home. With a flick of your finger, you can then set either thermostat to suit your mood or activity. Each furnace heats a separate zone, and problem areas disappear.

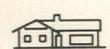
One furnace, with two or more thermostats, may be the best way for you to be assured of whole-house comfort. Simply divide your home into comfort zones, each with its own thermostat controlling the heat supply to each zone through dampers. This system assures a continuous flow of warm air throughout your home with each system getting exactly the heat it requires. Ask your heating and air conditioning dealer to explain the advantages of Zone Control for your warm air heating.

With Hot Water Heating

Two or more hot water valves, each controlled by its own thermostat, divide your home into comfort zones. From a single boiler, this zone system can match heating to the needs of a particular section at a time, eliminating discomfort areas. No longer will you have to overheat one part of your home to keep another area warm. You can have the temperature you want, where you want it.

Two or more circulators, with a separate thermostat to control each zone, will also assure the precise temperature you want in every room in the house. In either case, see your heating dealer. Not all homes need zoning. After studying your home, your dealer will recommend a system that perfectly suits your needs.

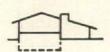
If your building plans include any of these desirable features, you may need 2 furnaces or 2 zones for complete heating comfort.



Picture windows often mean greater heat gain or loss.



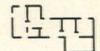
Spread-out floor plans cause temperature variations.



Split-level homes are a puzzle for one thermostat to handle.



Rooms over garages need extra heating or cooling.



Living and sleeping areas require different temperatures.



Recreation rooms require tailored temperatures.

Honeywell



First in Control

PIONEERING THE FUTURE

HOUSE & GARDEN



Entertaining confidently is easier for a Gorham girl

When you entertain, your sterling silver should be the gem of your table.

We design Gorham sterling for the girl who entertains successfully because she entertains with confidence. She enjoys her own parties, knowing that guests admire her taste as well as her knack for making them welcome.

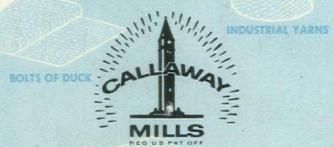
Firelight, the Gorham sterling we show above, is one of the striking designs we have created just for her. It's so graceful, and it is actually heavier than most other sterling. Everlasting in its beauty, too!

Ask your silverware store to show you the Gorham patterns, traditional and contemporary. Or write for the new booklet showing all the lovely designs . . . Gorham, Providence 7, R. I.

GORHAM STERLING

AMERICA'S LEADING SILVERSMITHS SINCE 1831

menthere.



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INDUSTRIAL YARNS

SCATTER RUGS

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*Callaway Carpets made in Nylon,

wool, Acrilan, rayon, cotton and blends.

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*Callaway Scatter Rugs

famous for over 30 years

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TOWELS.

Automobiles, tires, apparel and host of other industrial and home products contain textiles by Callaway.

Numerous business and industrial organizations benefit from "KEX" Industrial Service and "KEX" Dust Control, the complete system for faster, better and more efficient cleaning.

TOWELS

*A myriad of colors and styles to choose from!

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Callaway Mills, Inc., Sales Solicitors, 295 Fifth Ave.. N.Y. 16, N.Y.

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win this KITCHEN free



free

for

WHITEHALL MEANS

Custom Quality

Whitehall kitchens are made like quality furniture in 10 warm, natural wood finishes. All cabinet joints are mortised, tenoned and glued... all doors are guaranteed to be non-warping... drawers move smoothly and quietly on nylon ball-bearings... magnetic door catches are standard on every unit... and Whitehall craftsmen have a "feel" for the beauty of natural wood.

Custom Convenience

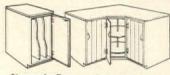
Whitehall offers hundreds of special purpose units to make your kitchen a "dream of efficiency".





Plastic Tote Trays for storage.

Beverage Tray units for bottles.



Storage for Trays and Pot Lids.

Base corne cabinets.

Installed in your home...absolutely FREE this Whitehall Custom Kitchen... with Chambers Built-Ins...worth \$3000!

You can have your present kitchen remodeled into a "dream kitchen", including all the latest built-in appliances by Chambers . . . or you can have a Whitehall Custom Kitchen worth \$3000. installed in the new home you are building or planning to build ...simply by entering this easy-to-win contest!

Whitehall Custom Kitchens are "America's Most Envied Kitchens". Everything is built-in . . . refrigerator, oven, range, dishwasher, exhaust hood, every kind of magically convenient storage space. And the built-in appliance units are by Chambers, "The most honored name in America's finest kitchens".

Whitehall Kitchens meet the tastes of every home-loving American family . . . because Whitehall Kitchens are truly "customized". This is why Whitehall is interested in having you enter this fascinating contest . . . so Whitehall will know what all America wants . . . what you want in "the kitchen of your dreams".

Here's all you do to try for a prize in Whitehall's fabulous "Dream Kitchen Contest". Complete in 25 words or less, the statement, "What I want most in my new kitchen is " Go to your nearest Whitehall dealer and get an official entry blank, or use the coupon below.

26 THRILLING PRIZES

ONE FIRST PRIZE consisting of a Whitehall Custom Kitchen, installed complete with Chambers Built-In Appliances, with a total value of \$3,000.

TWENTY-FIVE SECOND PRIZES of an amazingly convenient chrome, Washington pop-up garbage can, each worth \$9.95.

RULES: Entries must be postmarked by midnight of August 31, 1960. Anyone living in the U. S. may enter except employees of Whitehall Kitchens and its advertising agency and their families. Entries will be judged on the basis of originality and aptness of thought. Judges' decisions final. All entries become property of Whitehall Kitchens. Contest subject to Federal, State and Local regulations.

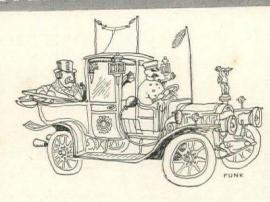
"America's most envied kitchens"

Uhitehall KITCHENS East Rockaway, N. Y.



I want to enter complete informa	your "Dream ition.	Kitchen"	Contest.	Please send	m
My Name is	The Second				

Your cheerful chariot

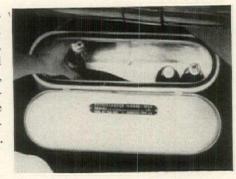


NEW ACCESSORIES FOR YOUR AUTOMOBILE

help to keep you safe and comfortable on the road

You need more than a radio, a heater and a windshield wiper to equip your car efficiently, just as you need more than wall-to-wall carpeting and a TV set to furnish your house. Although mechanical safety is built into automobiles today, driving safety often depends on the extras that help to maintain your morale or protect you in emergencies. Boredom, fatigue and hunger may start as mere personal discomforts, but as they mount in intensity they can grow into real obstacles to safe driving. So there is good reason to pamper your idiosyncrasies with creature comforts that will minimize inner distractions and keep you alert. Here is a selection of some of the newest and handiest automobile accessories that are available today in department stores, sporting goods stores or auto supply stores to promote your well-being on the road.

A tiny refrigerator fits into the dashboard and keeps sandwiches fresh, drinks cool for travel pick-me-ups. Insulated, aluminum unit uses fuelline vapor to produce near-freezing temperature. By Pol-Air, Inc.





A magnetic flashlight clings to a fender to aid night-time tire changing. Also helpful for reading maps and road signs after dark. Recharges in the cigarette lighter. By Gulton Industries.

A roadside safety kit is a wise precaution in case of a breakdown at night. Kit contains luminous warning to hang on trunk, two flares, a fire extinguisher and first aid kit. From Hammacher Schlemmer.



Continued on page 42

SEE THE LIGHTOLIER PORTFOLIO COLLECTION AND ENJOY EXPERT HOME LIGHTING ADVISORY SERVICE AT THESE AUTHORIZED DISTRIBUTORS:

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Phoenix:
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Tucson Tucson: Beacon Ltg. Fix. Co. ARKANSAS
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Bruce Co., Inc.
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Adcock Ltg. & Sup. CALIFORNIA
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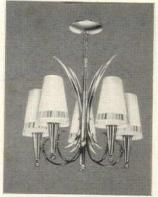
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Dominion Elec. Ltd.

GHTOLIER





Interplay makes a magic mood in your home

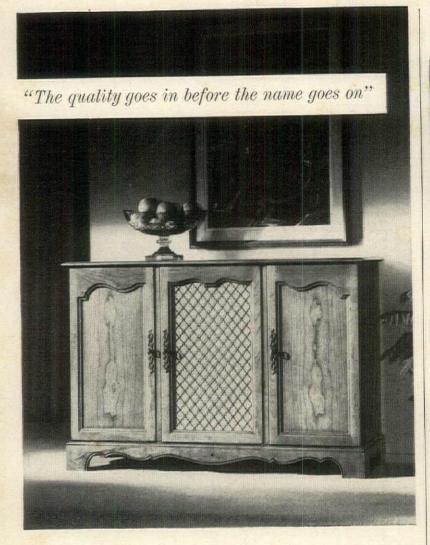
There is a new look—a special Lightolier look—in Interplay by Lightolier. It combines that glorious "grand chandelier" feeling with new uses of new materials. It is contemporary with a fashionable flair. It comes in a wide choice of fixtures in three, five, six and ten light versions, all made of glass, shimmering brass, warm walnut or fanciful filigree. There is also a choice of shades—in unique colors and textures—to coordinate with your decorating scheme. A patented lock makes them "sit" evenly always. And they filter out the glare from any angle. See the complete Lightolier collection at the authorized distributors listed at left. Ask them for free lighting advisory service.





Write department HG-40 for a complete new lighting brochure

GIITOLIE R Jersey City 5, New Jersey/Showrooms: New York: 11 East 36th Street. Chicago: 1267 Merchandise Mart • Dallas: 1718 HiLine Dr. • Los Angeles: 2515 South B'way



ZENITH EXTENDED HIGH FIDELITY STEREO

- the most exciting, the most faithful reproduction of sound you have ever heard

Now to the finest quality high fidelity in the world, Zenith adds the widest, most realistic sound separation ever in a single cabinet. This is Zenith Extended High Fidelity Stereo -all the depth of true high fidelity, all the width of stereo. And Zenith also brings you such exclusive developments as the Automatic Balance Control that lets you bring the separate speaker systems into proper balance—automatically keeps them in balance no matter how often you change the volume. Here indeed is the world's finest high fidelityanother example of the kind of quality you get only from Zenith.

Above is the Zenith Schubert, an Extended High Fidelity Stereo instrument with FM/AM radio, from the Zenith Decorator Group. Available in cherry veneers and cherry solids, mahogany veneers and mahogany solids, Model SFD2580, \$800.00.*





ZENITH RADIO CORPORATION, CHICAGO 39, ILLINOIS. IN CANADA: ZENITH RADIO CORPORATION OF CANADA, ITD., TORONTO, ONT. The Royalty of television, stereophonic high fidelity instruments, phonographs, radios and hearing aids. 41 years of leadership in radionics exclusively.

**Manufacturer's suggested retail price. Stightly higher in the Southwest and West Coast. Prices and specifications subject to change without notice.

NEW AUTO ACCESSORIES

continued from page 40



A dashboard record player provides music while you drive and keeps you in good humor despite the traffic. The machine plays 45 rpm records, then unloads them into a storage compartment beneath. Plays smoothly even on the rough roads. By RCA.

A small electric fan attached to a seat pad creates a cool breeze under driver's seat-most welcome in un-airconditioned cars. Fan plugs into cigarette lighter. Hammacher Schlemmer.



A litter basket to keep your car tidy (and the roadsides free of trash) fastens neatly to side of the car under the dashboard. Rubbermaid.



a car in case of electrical fire emergencies. By Walter Kidde & Company.

A fire extinguisher is a sensible accessory to stow away in the trunk of



A polyethylene gas container holds an extra supply of gas in the trunk in case you run dry in a remote spot. (Some states prohibit gas containers; check laws.) Pirelli, Milan, Italy.



Three useful extras: An adjustable seat to assure relaxed driving, Market-Forge; a handy visor case for cigarettes and maps, Bloomingdale's; a disc that glows in the dark if you have to leave your car by the road. Miroflex.



A host of brushes simplifies tasks of cleaning a car. The collection, left, includes a whisk broom, a lint brush, a bristle brush for white wall tires, snow tool for cleaning icy windows. Empire Brushes.

For additional shopping information, write to H&G's Reader Service



new traditions of the classics

Drexe

See the next thr





Dramatize your home with the elegance

TRIUNE

In the 18th and 19th centuries, furniture design reached great heights. Masters such as the Adam Brothers, Sheraton and Hepplewhite were inspired by the glories of ancient Greece and Rome.

Drexel has captured for you the spirit of these great masters in a collection of 18th and 19th century design motifs, adding 20th century function. Natural sable mahogany returns, enhanced by rich antiquing and accents of walnut burl. Meticulously scaled, beautifully proportioned, Triune is perfect for every home, large or small. Not merely a collection of reproductions, its designs are timeless. The many versatile pieces could be

The Empire-inspired bed brings elegance and



of the past, freshly interpreted . . .

by Drexel®

the beginning of an apartment now, your dream home in the future. Of course, Triune bears the "by Drexel" seal, found in the top drawer. This brandmark is your assurance of fine quality and design . . . At prices you can afford. Fill your home with the magnificence of Triune by Drexel and it will have a new depth and meaning for years to come. At the fine stores on the next page.

Send 5¢ for your "Triune" booklet, or 35¢ for the "Portfolio of Fine Furniture", 2 Huffman Road, Drexel, North Carolina.

A quiet retreat for listening and enjoying



See TRIUNE by Drexel at the fine department and furniture stores listed below:



ALABAMA

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Troonto, Ontario Art Shoppe Ltd.
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CONNECTICUT

Hampson, Mintie & Abbott

The Triune Collection won the Grand Prize and "Obelisk of Achievement" (shown) presented by the Mahogany Association for excellence in design and craftsmanship in mahogany furniture.

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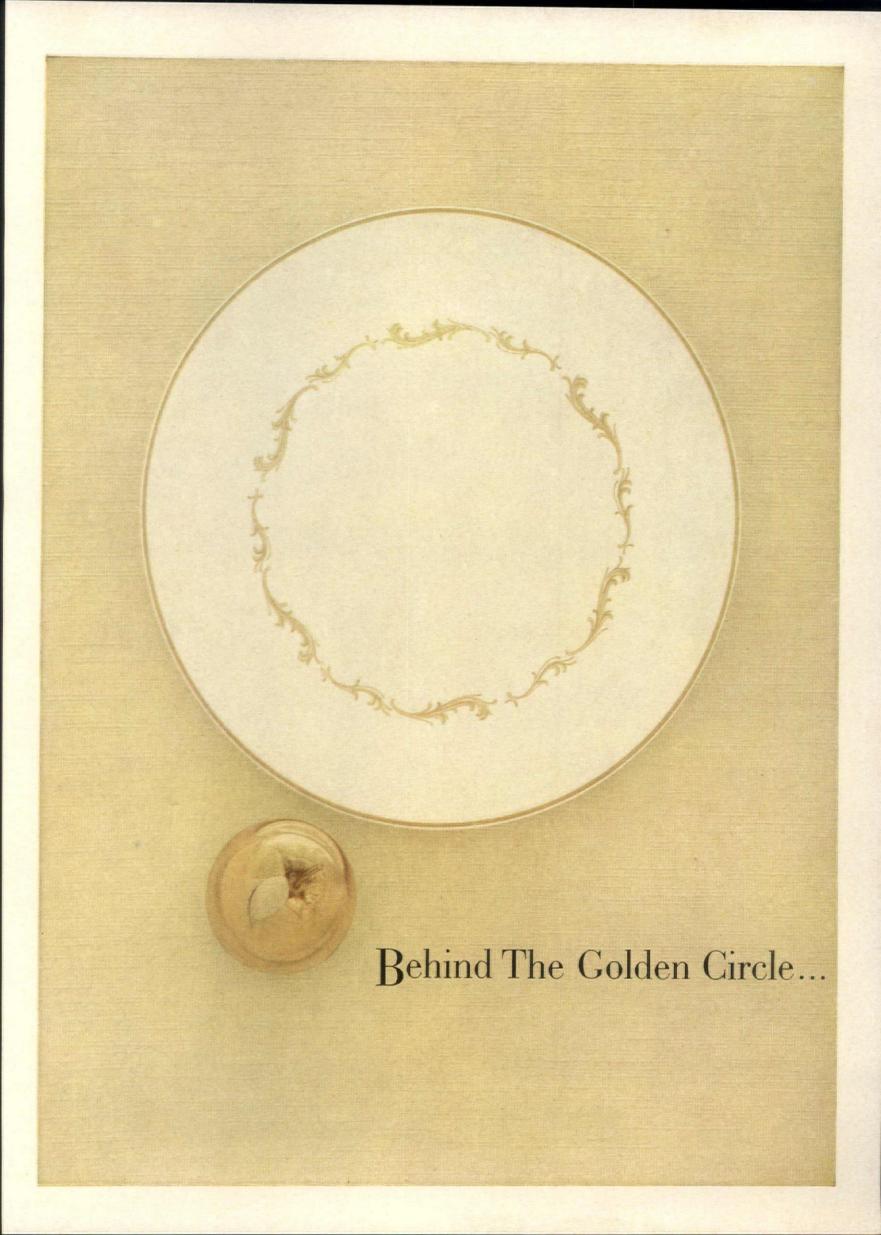
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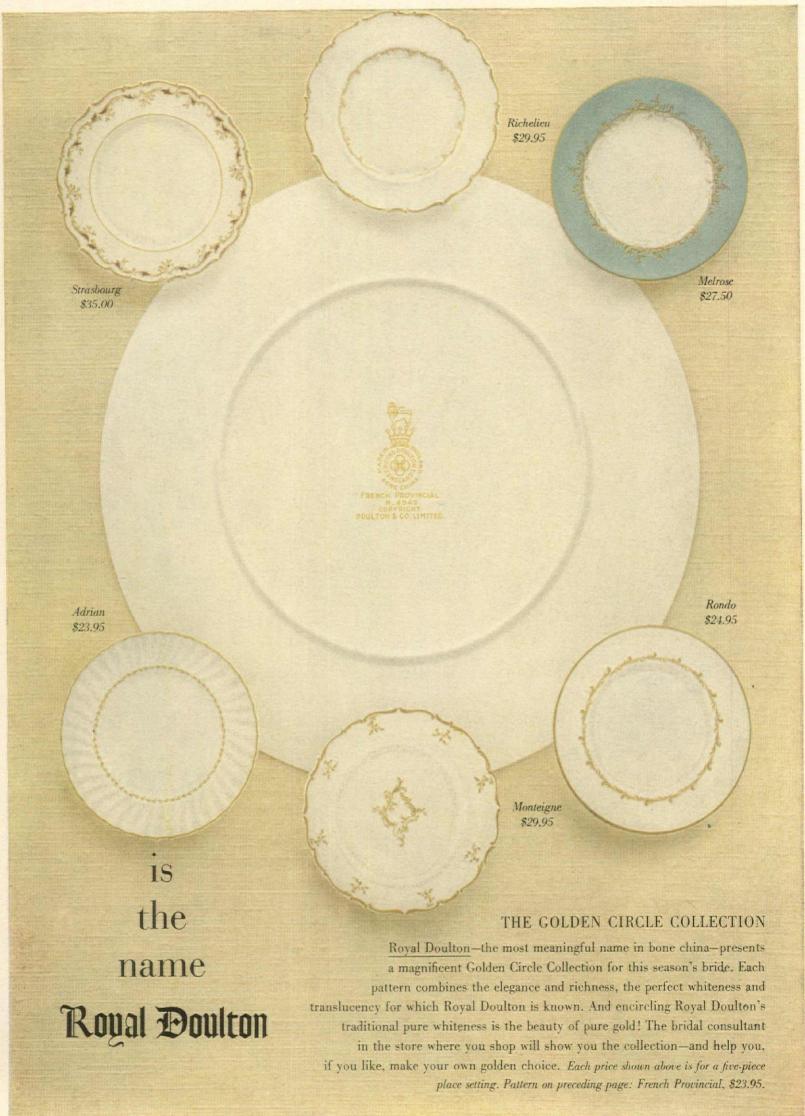
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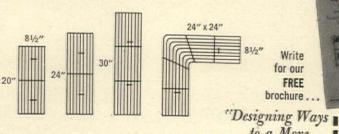
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The plastic-top nullifies the need for table pads.



Smart "togetherness" idea: a pair of Mr. & Mrs. Chairs.



Who said a reclining chair has to look overstuffed?



The space-saving Harvest table



Slide-out trays have niches for glasses, plates, flatware.



Upholster a slim-line sofa in contrasting fabrics.

good taste in contemporary furniture supposes simplicity of line and detail, excellent materials, enduring craftsmanship, and warm, natural finishes—qualities possessed in abundance by R/N furniture designed by Lawrence Peabody. Send 10c for illustrated booklet, "Good Design All Through The House", and the name of a store nearest you.



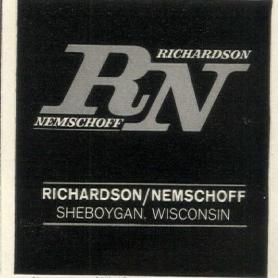
opens to seat a crowd.

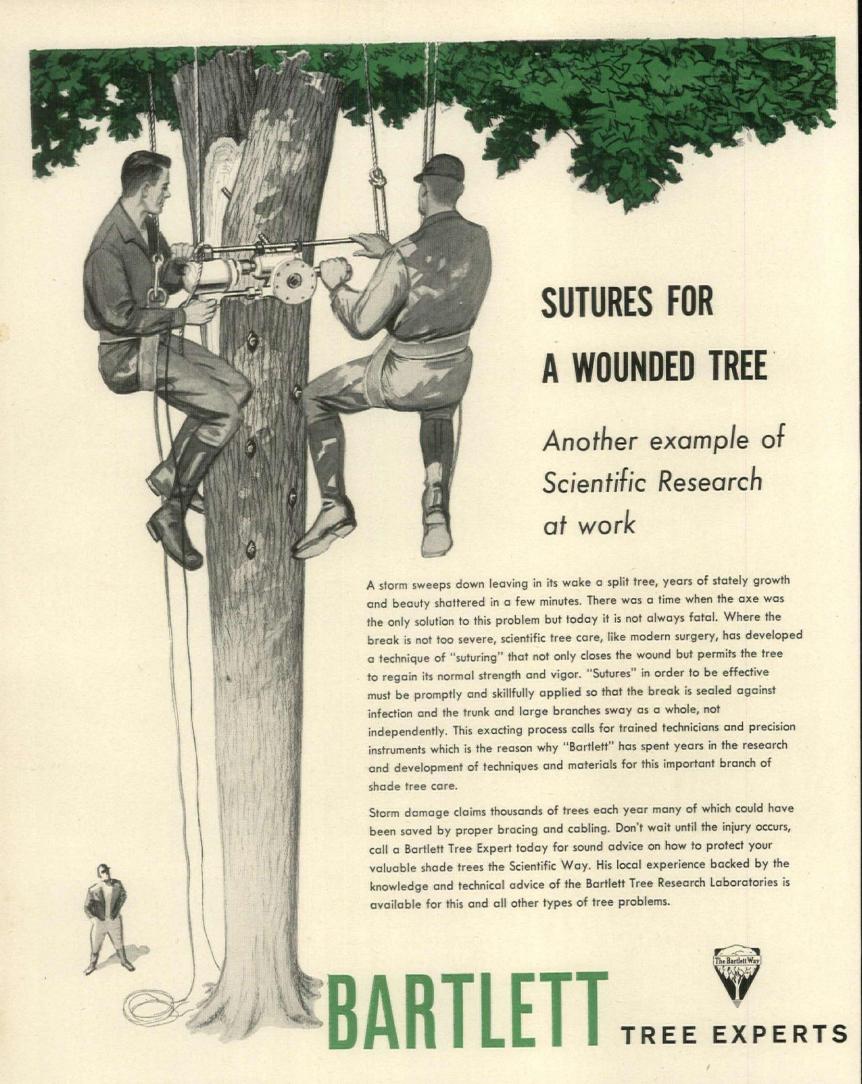


A tiny flip-top table grows to cocktail size.



Sectionals occupy less room, provide more seating.





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Bruce oak floor in smart design

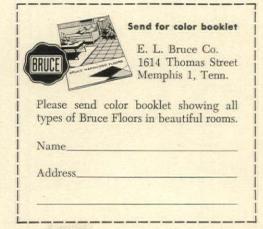
is easily installed over concrete or wood



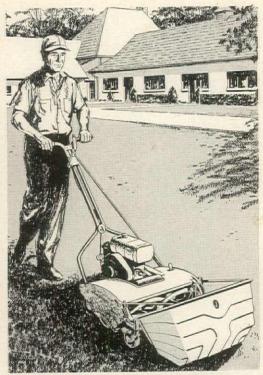
▲ Photo by Hedrich-Blessing, Furniture by M. Singer and Sons.

A Bruce PREfinished Block Floor is the answer... for any new home with concrete slab or wood subfloor... for any old home that needs an inexpensive, bright new floor... for any homemaker seeking longer floor wear with easier care... for everyone who wants the lasting loveliness of genuine Oak floors plus smart modern design at a surprisingly low price.

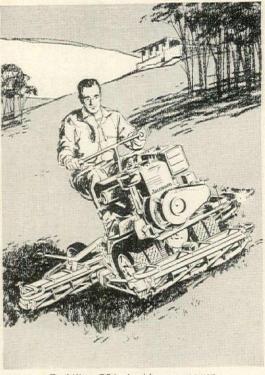
Bruce Blocks, of either solid or laminated Oak (especially designed for use over concrete), are easily installed over any smooth subfloor or old floor. The patented Bruce finishing process does away with messy sanding and finishing in the home. Easy installation, immediate use, and long wear are all yours at resonable cost with Bruce PREfinished Floors. Mail coupon for booklet.



BRUCE Block Floors



Estate 26, wide-swath trimmer type mower
ON THE GOLF COURSE



Turf King, 76-inch wide area mower IN PARKS



10w-Mobile 37, heavy duty mower ON HIGHWAYS

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He cuts more grass in one month than you are likely to cut in five years

... AND HE CHOOSES JACOBSEN

Men in the business of lawn care look for the things "underneath the paint" that add up to better performance and longer life: certain refinements in blade and reel design that make for a crisper, smoother cut; long life industrial type engines made for Jacobsen mowers; low cost maintenance and fast service.

These are the extra qualities you will find in such Jacobsen mowers as the

around trees, shrubs, gardens and walls. For smoothness of cut and easy handling it is unsurpassed.

Be the man who mows with Jacobsen. Visit your Jacobsen dealer.

He is probably the best mower man in your community.

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Manor, the home owner's version of the famous Jacobsen Greens Mower.

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Look for his address in the "yellow pages" of the 'phone book under "Lawn Mowers," or write us.

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The Manor

21-inch trimmer type reel mower, front throw grass discharge. Grass catcher optional at extra cost.

Feature for feature -the finest!

H&G's Newsletter



What's in store for your home: new products, ideas and trends

 Problem wall spaces have prompted better storage solutions in the way of cases that stack, turn corners or hang on the wall. Tall narrow cabinets, some with

arched tops, stand on their own or double up side by side. Colorful painted finishes and paper-lined interiors add decorative interest. You will find such furniture in every style—from Directoire to contemporary.



A convincing built-in look in a freestanding range is offered by the new Lectro-Host. It comes in three stacked sections that can either be set as a unit into a 40" wide niche or placed against a wall and moved when you move. Components include a cabinet base with chrome wire rack shelves; an electric range with four surface units and two ovens (one with a rotisserie) with timer and controls safely at eye level; a hood with an exhaust fan. Thermador, Los Angeles 22, Calif.

• New counter proposal for the home owner planning to refurbish a kitchen or bath: fresh designs and colors in Formica. Frost design and Tidestone are two of the new patterns in subtle colors. The Formica Corp., Cincinnati, Ohio.

• A fresh bright collection of fabrics in the Americana vein is derived from original textiles in the Henry Ford Museum in Dearborn, Mich. Included are some eighteen woven-pattern fabrics especially made in Europe, and twenty prints on unglazed chintz. "Variable Star," right, a screen print based on a nineteenth century quilt, makes an appropriate fabric design for an early American chair. Greeff Fabrics, Inc., 4 East 53rd Street, New York 22, N. Y.



Cleaning, peeling and slicing potatoes may soon become obsolete if enough cooks take to Minute Sliced Potatoes. They are packaged dry to keep indefinitely, can be turned into home-fries or scalloped potatoes in fifteen minutes. A package serves ten. General Foods, White Plains, N. Y.

• To cope with the heaviest batters and puddings, the latest KitchenAid portable mixer comes equipped with a built-in power booster. Gears shift automatically to maintain constant mixing speed. Hobart Mfg. Co., Troy, Ohio.



 New stereo components designed to be built into a wall may be coupled with a house-wide inter comm. Units are coordinated in size and shape, and framed with walnut so that any group may be arranged in an attractive composition. Nu-Tone, Inc., Madison and Red Bank Roads, Cincinnati 27, Ohio.

Continued on page 63

Septic Tank-Cesspool Owners

RID-X can save you

hundreds of dollars!

 Yes, RID-X can save you hundreds of dollars on digging, pumping, landscaping.

 RID-X works to keep your septic tank or cesspool in top, trouble-free condition.

TESTED AND PROVED! Impartial scientific laboratory tests show that RID-X helps break down and liquefy waste materials so they can't clog your unit and overflow.



EASY TO USE—just pour in toilet bowl and flush. That's all. RID-X can't harm porcelain, metal, pipes, fittings.



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NAILS

continued from page 35

any other pertinent facts. New methods of packaging nails have certainly made it simpler to buy the right type and amount you need. Instead of scooping a pound of nails from a barrel and putting it in a paper bag, your dealer will show you new, small, easy-to-store boxes that are clearly marked according to purpose, price, and composition. But if you are still in doubt about which type of nail to buy, ask your dealer.

The standard sizes

The label on the box gives the length of the nail in inches as well as in the old measuring term, penny, which is abbreviated as "d." For quick reference a 2d or 2-penny nail is 1" long; 3d, 1½"; 4d, 1½"; 5d, 1¾". The length of the nail increases a quarter of an inch for each number up through the 10-penny size. At this point the numbers jump to a 12d (3½"), 16d (3½"), 20d (4"), 30d (4½"), 40d (5"),50d (5½") and finally, 60d (6").

New developments

Two new kinds of nails you will find today are the threaded nail and the colored nail. The threaded nail has scientifically engineered threads which "lock" with the wood fibers when the nail is hammered into place, giving great rigidity of construction and balanced strength of fastening from foundation to roof. In many cases this greater strength allows substantial savings in time, labor and nail costs because fewer, slimmer, shorter nails can be used.

Threaded nails also cut down on household repairs necessitated by nails that have loosened or popped up.

Colored nails have been designed to match all standard shades of tinted interior wall-board. The heavy, baked enamel finish is long wearing and the nail becomes almost invisible when in place, which eliminates the need for countersinking and filling in with plastic wood or spackle. The new colored nails are also threaded to reduce loosening.

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FURNITURE CITY thinks everybody in the family—even Fido—should share the pleasure of your luxury living room. That's why they feature upholstery fabrics in a blend of 56% Acrilan acrylic fiber, 44% cotton on so many of their upholstered pieces. Acrilan makes possible all the splendid weaves, all the lovely textures, all the brilliant or muted colors you want—but with these wonderful advantages: It resists staining and soiling. Ordinary household stains can be readily removed. It keeps its shape under the roughest wear-loves parties, pets, toddlers and teenagers. It excellently resists fading, shrinking and stretching. And moths shun it. Before you buy, look for this triangular label in swatch books. It always means quality-controlled fabrics.





The family dictionary is placed where the children can refer to it frequently in Dr. and Mrs. Ben Mirman's house in Arcadia, Calif. The book has its own lighted niche at the end of the bedroom hall.

LOOK IT UP!

Finding the right answer can be good fun when you have a handy reference library

A child's curiosity is a wonderful thing which deserves to be fed and encouraged, not merely brushed aside with an impatient "I'm busy."

H&G believes that one of the most constructive ways of coping with persistent questions is to collect a home reference library—a shelf of information-packed books which your whole family can learn to count on for dependable answers. Children can be taught the importance of using reference books as soon as they can read by urging them to take pride in looking things up for themselves. Get them to hunt down their own answers to questions instead of brow-

beating you, to search for precise information to settle family arguments, and to find out the meanings of unfamiliar words in books or conversation.

As a salute to National Library Week (April 3-9), we requested the Silas Bronson Library, Waterbury, Conn., to compile a list of worthy candidates for a family reference center. The volumes that the library has recommended are not intended to be an all-inclusive roster of available reference works in each subject category but, rather, a selection of books noted for their handy size, moderate price or exceptional content. (Bear in mind that the handier the

size of a reference volume, the greater use it will probably receive.) For further information about specific reference books, consult your local public library.

One of the nicest things about building up a reference collection is that you can begin with a modest nucleus, and add to it as your budget or whim allows. We suggest you start with six staples—a dictionary, a thesaurus, an encyclopaedia, a Bible, a volume of Shakespeare—and later fill out the shelf with reference works on special subjects of interest to particular members of your family. To ensure frequent use, house your books all together on a shelf

conveniently near the center of family activities.

The basic six

A DICTIONARY

Webster's New International Dictionary (Unabridged) 2d ed. Springfield, Mass.: Merriam-Webster. c1934-1954. \$39.50.

Funk & Wagnalls New College Standard Dictionary New York: Funk & Wagnalls. c1947-1956. \$5.50.

You should also add some foreign language dictionaries. A good initial investment would be Continued on page 114



PRINCETON KNITTING MILLS, INC., 450 SEVENTH AVE., NEW YORK 1, N.



In this Texas attorney's home, Heritage furniture is a living tradition

A busy law practice leaves little time for planned-ahead parties. Spur-of-the-moment dinners—casserole, salad and a good French wine—are a tradition here. Heritage furniture is, too. Their first apartment had one piece. This spacious home is all Heritage. That versatile "rafraichissoir" just arrived. It can be a wine cooler, an end table or a planter. Inspired by an 18th century design found in France, it shows Heritage's genius

for interpreting the best of the past for today's way of life and for tomorrow. When you know fine furniture, you can tell Heritage at a glance. And you will always find the Heritage hallmark branded on the wood or woven into the upholstery.

Furniture shown from the Toulon group in Heritage's Mediterranea collection. Mail fifty cents for complete booklet—living, dining, bedroom collections—to Heritage Furniture, Inc., Dept. HG-4, High Point, North Carolina.

HERITAGE

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So easy to care for! This charming colonial floor in long-wearing tile!



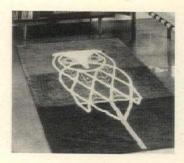
SURPRISINGLY ECONOMICAL! This Kentile Vinyl Asbestos Tile Floor is so practical. Because it's Vinyl, it cleans like a breeze, won't burn...is greaseproof, too. Because it's tile, it costs less to have installed than flooring in rolls. Ready for a life of ease? Your Kentile Dealer can be found in the Yellow Pages.

Save extra dollars. Install this floor yourself. It's easy even over old linoleum. Your dealer will tell you how.

Choose from over 200 Decorator Colors in Solid Vinyl, Vinyl Asbestos, Rubber, Cork, and Asphalt Tile. ©1960, Kentile, Inc., 78 2nd Avenue, Brooklyn 15, N. Y.

H&G's Newsletter

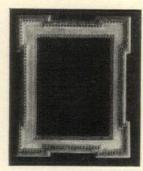
continued from page 55



• Young sportsmen should enjoy tracking down the three-dimensional wild-life in accent rugs designed by William Hinz. The Hunt Collection includes an owl, *left*, fox, zebra and lion. Cotton with Zefran. Regal Rugs, Inc., North Vernon, Ind.

Now on tour (but not yet in production) is a compact new laundry center that may eventually eliminate the separate laundry room. Packed into a 60" wide by 25" deep space are complete washing and drying facilities plus remote controls. Westinghouse, Mansfield, Ohio.

• For those who have no top-flight picture framer in their communities, a framing company is offering by mail the same service it supplies to museums, and private collectors. Reproducing antique frames is its specialty although it also offers a wide selection of contemporary frames. Artistic Picture Framing, 1228 2nd Ave., N.Y.C.

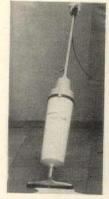


 Sesame Chips is the name of a crisp new cocktail snack with a salty nut-like flavor. Crushed, the chips make a good topping for casseroles. Wise Potato Chip Co., Berwick, Pa.



• Gardeners take note: A new tool called the Hole Hammer, 45" long, should make it considerably easier to dig deep holes for root feeding your shrubs and trees. It is helpful, too, in setting fences, posts and stakes. The momentum of the tool's sixteen-pound weight does much of the hard work with a minimum of elbow grease on your part. Impact Tool Company, 102 Girdle Road, East Aurora, N. Y.

Good news for the storage-shy: a new compact electric combination scrubber-sweeper. A single handle with a built-in motor operates either of two floor attachments, below right. Vacuum, below left, is good for bare or carpeted floors; the scrubber washes floor, then vacuums it dry; both are lightweight. The Bissellectric Sweep Master and Scrub Master. Bissell, Inc., Grand Rapids, Mich.





For further information about any product, write to the manufacturer.

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KEEP YOUR MUSIC SYSTEM IN TIP-TOP SHAPE

Happily, music systems do not have to be pampered to operate properly. But even the most expensive system may lose some of its joie de vivre after a while if not nourished with a little care. Sometimes you may not even be aware of the distortion that develops in the sound when delicate parts wear out or go out of alignment, or when there is a drop in the frequency range. The trouble can creep in so slowly that your ear becomes accustomed to the changes and accepts them. Yet even a slight loss of fidelity can detract from the sparkling, exciting sound you enjoy showing off to friends.

While your ear may not detect anything wrong, there are several testing devices you might invest in, which will tell you immediately whether or not you are hearing true high fidelity sound. You can either use special test records for this purpose, or give each part of your music system separate tests. It is a good idea to make a habit of testing your equipment at regular intervals in just the same way you would take care of your automobile or any other piece of precision mechanical equipment you want to keep in perfect condition.

Test records

One of the most efficient ways of spotting trouble in your music system is to use a test record. These records, which are available at most record stores and hi fi dealers, provide a series of test tones, musical excerpts and bands of silence which, together with spoken or printed explanations, detect shortcomings in equipment and, in many cases, tell you exactly what is at fault. You may find you can cure the symptoms simply by replacing the stylus (needle) or you may discover that your turntable needs some slight repair which would be well worth the trouble in order to enjoy once again the full brilliance of high fidelity sound.

Here is a sampling of test records, any one of which would be an excellent investment towards keeping your equipment in topnotch shape.

Check and Double Check (Westminster) \$10.

A record with a wide range of tests plus an interesting booklet

which explains the rudiments of high fidelity in easy-to- understand language.

Electronics World Test Record No. 1 \$1.59.

A 7" disc with revealing tests for monophonic equipment on one side, stereo equipment on the oth-

Urania-Popular Science Test Records-Volumes I and II (Urania Records) \$3.98 each.

Two records which together present an extremely complete set of tests, plus explanations and musi-cal demonstrations of high fidelity. Lafayette Hi Fi Stereo-Monaural Test Record 1959 \$2.95.

A record with a series of tests for monaural equipment on one side, stereo equipment on the other side. Instructions are printed on the record jacket as well as on a separate sheet. Available at Lafayette Radio Stores or by mail from Lafayette Radio, 165-08 H, Liberty Ave., Jamaica 33, N. Y.

When putting your equipment through its paces with these test records, you will get best results if you keep the room as free as possible from extraneous noises. Also turn up the volume a little louder than usual.

If you prefer to test each component of your music system separately, you might work according to the following plan: first check the turntable (or changer), then the stylus, next the amplifier, finishing up with your radio tuner and tape recorder.

Checking the turntable

The main things for which to test your turntable (or changer) are 1) accuracy of speeds and 2) a level position.

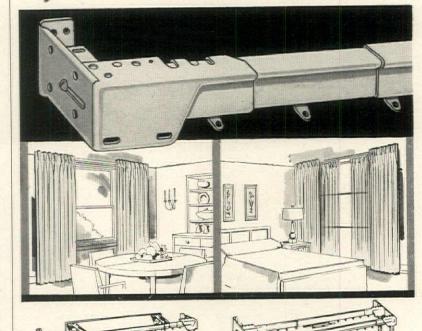
If the speeds of your turntable are too slow or too fast, your records will sound off pitch. Buy a small device called a strobe disc (available at most hi fi dealers for about 25c to \$1) which will show you whether the speeds of your machine are correct. If there is a speed adjuster on your turntable, you can make the necessary adjustments yourself. Otherwise, get the help of a serviceman. Uneven speeds, which cause sustained musical tones to sound unsteady and wavering, are sometimes the result of deposits of grease and oil on the moving parts of the turntable. To clean these parts, lift out your turntable and wipe off Continued

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Make windows look wider, by ex-tending your draperies beyond the window; when drawn back, the entire window is revealed. Use Kirsch traverse in the Extend-O type.

Latest decorator effects, using draw draperies over inner draw curtains, need not be expensive. One Kirsch adjustable double traverse rod set, on one pair of brackets, serves both.

OVER ONE-HALF CENTURY

YOUR MUSIC SYSTEM continued

any grease or oil collected on the inside metal rim or the rubber drive wheels which you will find beneath the turntable. If this doesn't help, have your machine checked at your local hi fi dealer the turntable may need a new belt or idler wheel.

If your turntable isn't perfectly level, the music, especially piano tones, will be unsteady. Use a little device called a spirit level (also on sale at most hi fi dealers) which will clearly point out when your turntable is pitched at an angle. The most accurate way to discover and correct this fault is to check separately each corner of the square piece your turntable is mounted on. If this piece is removable (it is usually attached by four screws), you can adjust the level where necessary by putting firm wedges of paper or wood under the corners. If your phonograph stands on the floor or on a shelf, you might try slipping wedges under its feet or basethe floor or shelf may be uneven.

Testing the stylus

When checking your stylus you should investigate 1) its downward pressure. 2) signs of chipping or wearing and 3) accumulations of dust on its tip.

If loud passages on your records sound shattered and unclear, the fault may lie in an incorrect pressure of the stylus. The downward force of your stylus on a record should be no more nor less than is recommended by the manufacturer of your cartridge (the part which holds the stylus). Too light a pressure will cause the stylus to "chatter" in the grooves. Too heavy a pressure increases the record wear and shortens the life of the stylus. Ask your hi fi dealer what is the ideal pressure for your type of cartridge (you will probably find its make printed on the top or underside) and also find out how you can adjust the pressure on your machine-each machine has a different kind of adjustment. Buy a little gadget called a gramme scale (or stylus pressure gauge) and use it to check the pressure of your stylus every few months.

If your records sound dull or jarring, you may need a new stylus. The surest way of telling whether a stylus needs replacing is to have it examined under a microscope at your local hi fi dealer. Diamonds should be replaced after 800-1000 hours of playing; sapphires after 30-40 hours.

If your records sound fuzzy, you may find a large dust ball sitting on the tip of your stylus. Use a camel's hair water-color paint brush to remove it. Don't try to dislodge it by running your finger carelessly across the tip this might pull out the stylus or, if you should do it while the volume is turned on, create a loud sharp noise that would harm your speaker. To keep the needle free of dust in future, use any of the many record cleaning products available. Among them are: a brush which attaches to the tone arm or to the side of the turntable or changer and automatically whisks the record grooves clean; a radio-active device which attaches to the tone arm and eliminates static electricity from records; or a special cloth impregnated with an anti-static solution. Any of these items will cut down the wear and tear on your stylusas well as preserve the life and clear sound of your records.

Inspecting the amplifier

If you have a self-contained phonograph, there is not much you

can do on your own to check your amplifier because it is usually completely enclosed and unreachable. But if you have a music system made up of separate components, you can check your amplifier for 1) undue hum and 2) too much heat.

To cure a persistent hum in the background of your records, look to see if your amplifier has a "hum balance" knob. If it does, take off the record you are playing, turn up the volume and adjust the hum balance till you get the minimum amount of hum. If this doesn't help, check your cables and connections. The cable running to your speaker and the one running to the AC outlet should not be parallel. Also be sure no bare wires from two separate cables are touching each other. If hum still persists, have your amplifier checked by a serviceman.

Overheating is one of the main causes of amplifier trouble so be sure you give this component plenty of air. Surround it with a good amount of free space and if you place it at the back of a cabinet, drill holes in the top, bottom and back of the cabinet to create cooling drafts of air.

Continued on page 236



In cafe curtain hardware, look to Kirsch for beauty and variety; beautiful rod sets in latest finishes-up to twelve feet wide . . . easy-to-use clips and rings for every type of heading.

In pleating tape, treat yourself to the new adjustable Kirsch Easypleat. Twice as many pockets per yard, for choices in spacing; three rows of openings, for heading height adjustment.

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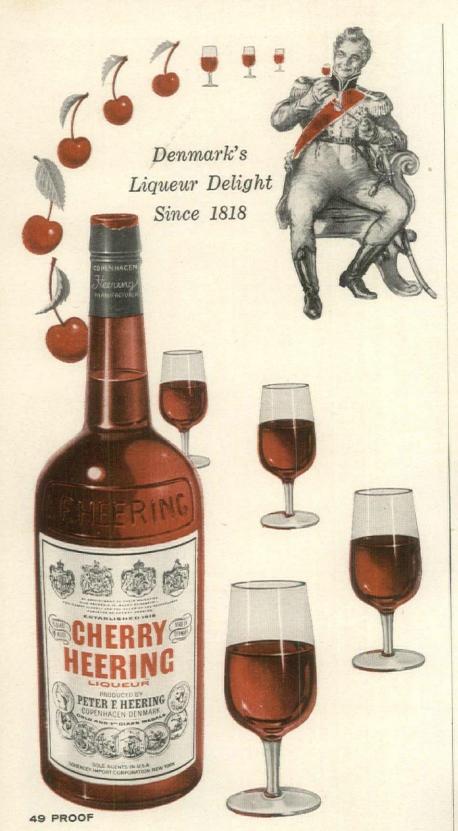
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GOOD DESIGN \$1

Here are two dozen hostess gifts culled from the biennial exhibition put on by the students at Brooklyn's Pratt Institute to prove that good design is not a matter of price

1. Lunch accessories with a country flavor from Pottery Bazaar: Vermont-made pottery mugs in teal, beige or white with finger-hole grip. 89c each. Teak butter spreader. 69c. Stainless steel cheese spreader with teak handle. 89c. Woven mats in choice of orange, black, brown or green. Each 29c.



2. Old-fashioned glasses, hand made of rough bottle green Mexican glass, at Fred Leighton. 40c each. Slender cordial glasses in amber, green and blue, heavy glass bases, from Portugal. Pottery of All Nations. Each 29c.

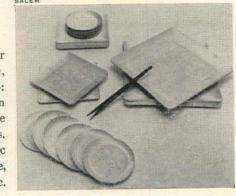
3. Tulip-bowl stemware in four sizes for water, red wine, white wine and liqueurs. The shape is well designed to hold the delicate bouquet of your beverage. At Pottery Bazaar. Each 69c.





4. Porcelain coasters in plain white with a multitude of uses: as butter plates, ashtrays, individual hors d'oeuvre dishes, candy servers, etc. Pottery of All Nations. Each 19c.

5. Disposable dishes for your picnic pleasure, from Merrill Ames: pressed wood plates in round coaster, square dessert and dinner sizes. 12 to a package, 55c, 75c and \$1. Slim teak cheese, meat fork. Each 40c.





6. Japanese porcelain for afternoon tea, from Ginza. Authentic cups with bird and flower motifs in blue. 59c each. Saki wine bottle that also makes a slender flower vase. 50c.

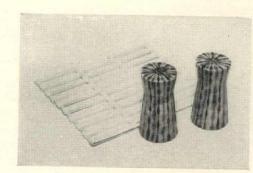
7. Outdoor party lights to set a patio table or line the driveway. Of blue, red, green or orange glass filled with candle wax and wick. Chinalier. Each 49c.



8. Smoking stores from abroad: Danish-made glass cigarette container and ashtray. Pottery of All Nations. 59c each. Wood matches in myriad brightly wrapped pocket-sized boxes from Japan. Merrill Ames. Ea. 5c.

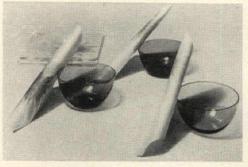
9. Classic egg cup of white porcelain, 2½" tall. Merrill Ames. 80c. A pack of carved teak mice sporting leather ears and tails. From Flair Interiors. Each 80c.





10. Lacquered trivet of rafted birch in an open lattice design, 7" square. White. Merrill Ames. 75c. Salt and pepper shakers of pottery, with muted brown and gray stripes. Interiors. \$1.

11. Glass bowls in a versatile 5" size for nuts, desserts or to use as finger bowls. Clear amethyst or green glass. Bloomingdale's. \$1 each. Napkins of mulberry paper, dip-dyed. Takashimaya. Doz. 65c.



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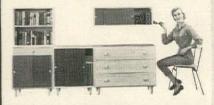
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Grace a pretty breakfast tray or table with a crystal creamer and sugar bowl. Easy to care for, the sparkling glass adds eye appeal to any setting. Each container is 41/9" high. Included in price is a three-letter monogram. Please underline last initial. \$3.25 plus 35c postage. Thomas-Young, HG4, 30 West Lockwood Avenue, Webster Groves, Mo.



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Keep the desk at home or in the office in neat, workable order with a desk basket to hold pencils. crayons, scissors, paper clips, elastic bands. Frame is wood covered in leather-like plastic. Colors: brown, green, maroon, gray or ivory. Scroll decoration is gold color. 434" x 434". \$1.50 ppd. Medford Products, HG4, Box 39, Bethpage, N. Y.



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Enhance the endearing charms of a very young girl with this exquisite white cotton dress, finished with French seams and beautifully hand smocked. Made for the toddler set, it comes in sizes one, two and three. Smocking comes in sky blue or cherry red. \$6.95 postpaid. Order from The Carriage House, Department HG4, Cold Spring Harbor, N. Y.

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The cradle set

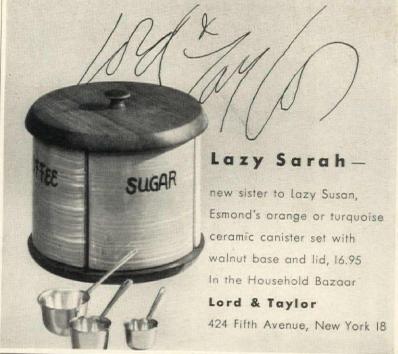
The tiniest baby is assured blissful comfort in the cradle chair. Bring the youngest member into the family circle and enjoy its charming antics. Made of hardwood finished in pastel pink, blue or yellow. Safety strap is cotton webbing, plastic covered mattress is reversible. 11" x 20" x 10" high. \$9.95 ppd. Harvest House, HG4, 1200 Niagara, Buffalo, N. Y.



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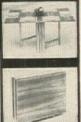
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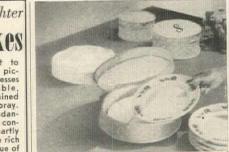
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97 Bond Street

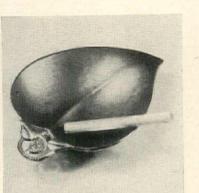
Oshkosh, Wisconsin

SHOPPING AROUND



Johnny one note

Decorative accent for any room and a source of great entertainment, the Gusle (pronounced goose-leh) is a one-string instrument native to Serbia. Made of beautifully carved fruitwood and calf hide stretched over a shallow base, it is 161/2" long x 41/2" wide, comes with a bow. \$9.95 ppd. Shopping International, 25 Lafayette. White Plains, N. Y.



Leaves of gold

Graceful accessory for dining or living room, this gold-plated leaf tray can be used in several ways. Fill it with nuts or mints for the dinner table or use it as a smoker's accessory in the living room. About 5" x 53/4", it is finished in the new brushed gold effect. \$1.50 postpaid for one. Vernon Specialties, Dept. HG4, 276 East Third St., Mount Vernon, N. Y.



Swan song

This handsome Italian import will end the search for an unusual magazine rack. Made of heavy cast brass burnished to a golden glow, it has four capacious racks to hold an array of periodicals. 16" x 13" x 23". \$42.50. Smaller version (6" x 6½" x 3½") is perfect for stationery. \$15 plus post. Lord & Taylor, HG4, 424 Fifth Ave., New York, N. Y.



Spring tonic

Set off a coat or cashmere cardigan with a beautifully cut shawl collar made of California rabbit fur. Dved in delightful colors, it will add a gay accent to fair weather clothes. Chartreuse, red, green, blue, white, beige or black. 4" wide x 34" long, it is easy to attach, \$8.95 postpaid. Order from I. R. Fox, HG4, 140 West 29th St., New York, N. Y.



Traveler's cache

Stow the treasures collected on your trip in a colorful brocade tote bag decorated with the Eiffel Tower and the Arc de Triomphe. It will hold a number of bottles, shoes or gifts. Bottom, zippered top and handles are black leatherlike plastic, lining is washable. A welcome Bon Voyage gift. \$4.98 plus 45c post. Here's How Co., 95 Fifth Ave., New York, N. Y.



Domesticated

You're looking at a new nylon carpet that has nylon's incredible strength with a luxury never before achieved. The secret is "Cumuloft" nylon, the new continuous filament textured nylon yarn developed by Chemstrand. With Cumuloft nylon you can now have carpets that won't shed, pill or fuzz. Nylon carpets that resist soiling. That clean easily. That bounce back. That wear. And nylon carpet that is rich and soft. Look for Cumuloft nylon in superb carpet collections now being loomed by Alexander Smith, Mohawk, Callaway, and Magee. Chemstrand®nylon



now: stripes on venetians!

THE NEWEST, MOST DARING WINDOW FASHION OF THE YEAR

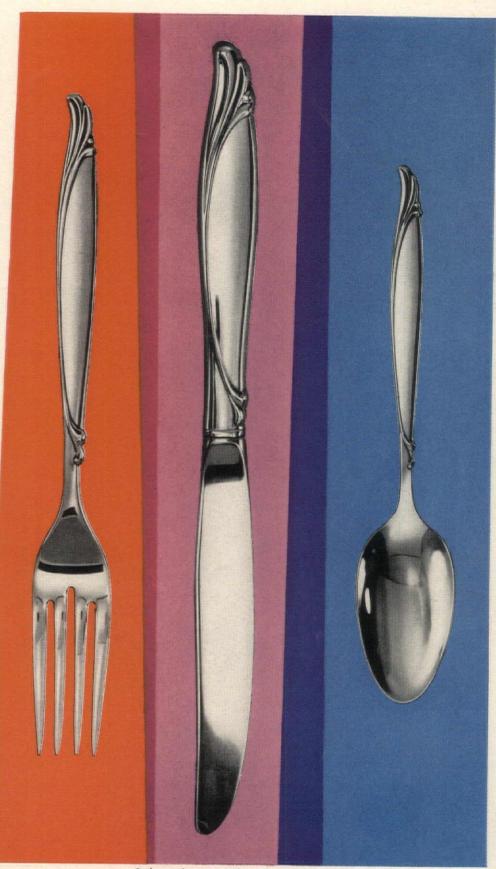
Here's Flexalum Twi-Nighter's brand new window treatment, hailed by designers as the decorating idea of the year. White louvers are boldly edged with brush-stripes of color. You can achieve startling effects! There's no limit to the designs you can create with 11 brush-stripe; 35 solid and texture patterns. And Twi-Nighter's exclusive shut-tight design gives complete privacy. Spring-tempered aluminum louvers, wipe-clean plastic tapes and nylon cords will stay new-looking for years. Find your Flexalum dealer in the Yellow Pages.

Hexalum TWI-NIGHTER VENETIANS

For a set of 11 brush-stripe aluminum swatches send 25c (coin or stamps) to: BRIDGEPORT BRASS COMPANY—HUNTER DOUGLAS DIVISION, 405 Lexington Ave., New York, N.Y. Makers of Flexalum verticals... Flexalum audio-visual blinds... Flexalum aluminum awnings

"Peter!
I've found such
a wonderful new
modern pattern ...
and it's in
sterling, too!"





3 pieces shown, only \$18 6-piece place setting, \$35 Federal Tax Included

new "SENTIMENTAL" so gracefully modern...so obviously sterling!

New "Sentimental"*, by Heirloom Sterling is truly modern! Here is a graceful, subtle *simplicity* that leaves angular starkness as far behind as overdone ornamentation! It's a beauti-

ful step forward in sterling design. And "Sentimental's" beauty is for every day . . . because it is sterling. The more you use it, the lovelier it becomes throughout a lifetime!



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the carpet of elegance...MODERN PALETTE by FIRTH

Color—fresh, clear, radiant . . . shades that avoid the ordinary, that bathe a room in softly-stated elegance. Shown is 'Chablis White Wine'. You'll want to see 'Monet Blue', 'Picasso Gold', 'Degas Beige' . . . a collection of rich, true tones you've never found in carpet before. Firth weaves it of Acrilan* Acrylic face yarn into a fascinating knotted texture. And the bonus with all this beauty is carpet that requires minimum care, resists stains, mildew, moths—and stands up under the heaviest wear. Plus a price that's a pleasant surprise . . . about \$11.95† a square yard!

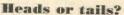
'Modern Palette' is now available at fine stores throughout the country. For the name of the store nearest you write: Firth Carpet Company, Dept. 64, 295 Fifth Avenue, N. Y. 16. Send 25¢ for Firth's idea-filled new decorating booklet—
"Spotlighting You".



SHOPPING AROUND

Down beat

Highlight the music area, or a corner of your recreation room with this black plastic drum, two single musical notes and one double note. Easy to attach to the wall, these look like wrought iron, give a musical definition to the area. Over-all size of the group is 18" x 10". \$1 postpaid complete. Glasscraft, Dept. HG4, 920 Chicago Avenue, Evanston, Ill.



Unusual cuff links for men or women are made of antique Roman bronze coins. Beautifully mounted on bronze swivel backs, the coins are from 1,600 to 2,000 years old. Packed in a butter-soft leather drawstring pouch, the cuff links come with a card which gives date and origin of coins. \$7.98 ppd, Nassau, Dept. HG4, 200 W. 34th St., New York, N. Y.

At leisure

To give any chair blissful chaise longue comfort, invest in a Leg Lounger. Brass plated frame is fitted with a heavily padded vinyl covered cushion which comes in ivory, green or black. 16" x 18" x 13" high, the Lounger adjusts to three different angles. A damp cloth keeps cushion clean. \$9.95 express collect. Hobi, Department HG4, Flushing 52, N. Y.

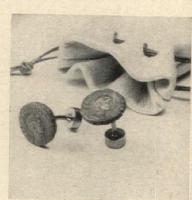
No cool chick, this

Serve breakfast eggs, boiled and tempting, in this nested hen server. Made of ceramic, the hen cover is white with bright red comb, the nest is white with green and brown basket design. 4½" x 3½" overall, it makes a perky container for jam, butter or sauce, too. \$1 for one server; \$3.50 for a set of four. Postpaid. Order from Downs & Company, HG4, Evanston, Ill.

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Give your professional friends handsome jewelry marked with the symbols of their trade. Engineer, pharmacist, dentist, architect, chemist. You name it, and it will appear on sterling or gold-filled cuff links, \$7. On tie bar (2" long) or tie tack, \$4. A set of links and tie bar or tack is \$10. Ppd. Tax incl. Wayne, HG4, 546 So. Broadway, Yonkers, N. Y.











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Complete "Heart Design" line of furniture available (examples below).

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Fill it with fruit or flowers to create a magnificent centerpiece! The crystal clear top of this handsome appointment is 12" in dia. 10" high. It is decorated with handeut, diamond-like crystal prisms which hang from the rim. The base is heavy cut lead crystal.

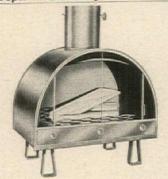
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The "Flying L" LODGE ROOM—Inviting cozy "sit-by-the-fire" sessions is this handsome unit The "Flying L" LODGE ROOM—Inviting cozy "sit-by-the-fire" sessions is this handsome unit designed to heat a large living room. Wrought iron rosettes smarten the fireguard plate. Otherwise, its rustic charm is its complete simplicity, making it the ideal fireplace choice for home, cabin or summer quarters. Fits in 25°x36" floor space. Fast, easy installation in less than a day. Shipped cartoned, complete with insulated back, custom-made spark-proof screen and one 24" section of 10" flue with hand control damper. Special hearth available as extra equipment. Shipping weight, approximately 155 lbs. List price, \$102.50. GUARAN-TEED—send check or money order—no C.O.D.'s. send check or money order-no C.O.D.'s, Write for free products catalog

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Lovely to look at, and so comfortable! Constructed of hand-picked native hardwoods, with tempered steel coil springs to assure you years of lasting satisfaction. Upholstered in your choice of twenty decorator colors in finest spot-proof velvet. (Samples on request.) H. 32½", W. 22", Seat Depth 18", Seat Height 17½". Only \$36.50 each; \$70 a pair. (Your fabric—3 yds. 54", 4½ yds. 36", \$30.50.) Express Collect. No C.O.D. For folder, Hunt Galleries Prevues, send 10e.

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Keep shoes visible and free from dust in a see-through storage chest. Made of hunter green vinyl plastic and heavy paperboard, with a clear vinyl zippered top, it is available in two sizes: 18" x 24" x 4" for six pairs of shoes, \$2.98; 18" x 36" x 4" for nine pairs, \$3.98. Postpaid. Order from Bard's, Department HG4, 816 University Place, Evanston, Ill.



Double duty

Two-piece shirtwaist dress to match or mix with other colors. Tailored blouse has rolled sleeves, tiny pearl buttons down the front. Full skirt has unpressed pleats. Made of Wamsutta cotton in melon, avocado, pale beige or light blue. Sizes: 9 through 15 and 8 through 16, \$14.95 plus 35c postage. Vickie Wayne, HG4, Box 4035, Tucson, Ariz.



Scaled to size

Let the little folk (ages one to twelve years) enjoy their own lawn and terrace furniture. Perfectly balanced, the chaise and matching chair are made of rustproof aluminum and velon plastic. Colors: solid green, green or red with white. Adjustable chaise: \$11.95. Chair: \$5.95. The set: \$17.50. Plus \$1.25 postage. Patio Sales, Box 25, Highland Pk., Ill.



Tres chic

For a fashion lift, cover your pumps to match or contrast with spring and summer dresses. Send shoes, together with 1/2 of a yard of fabric, to Century Factory and the job will be expertly accomplished for \$12.95. For covering the heels only, send 1/4 of a yard of fabric and \$4.50. Add \$1 to order for postage. Century Factory, 210 Park, Baltimore, Md.



HOLD THAT TIGER ... with an easybaby car belt

- Here is the answer to safe driving with young children on long drives or short trips about town.
- Child can stand, sit, or lie down in comfort and safety. It need never be removed—is not in the way when not in use, replaces cumbersome car-seats.
- Made of strong blue webbing, this adjustable belt fastens around the child's waist with a dog leash catch and travels up and down a second strap that buckles over the seat back. A perfect baby present.

Satisfaction guaranteed. Check or M.O. Postpaid in U. S. \$2,50 Harvest House, Inc., 1200 Niagara R379, Buffalo 13, N. Y.

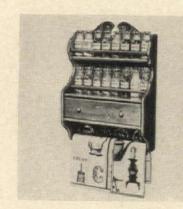
History repeated

Stir tinkling ice in a glass of lemonade, iced tea or coffee with these long-stem silver spoons imported from Italy. Topped with silver crests relating to Florentine history, they are companions to the popular Florentine demitasse spoons. Each is 8" long, beautifully modeled. \$4.98 for 6. Ppd. G. Wayne Tabor, HG4, 7540 E. Grand, Dallas, Tex.



Handy for the cook

Spark up the kitchen and add efficiency, too, with a good looking spice rack. Made of knotty pine, it is available in a choice of an antique maple or honey pine finish. Included with the rack come 16 apothecary jars filled with the most popularly used spices. 19" x 14" x 4". \$22.95 postpaid (without towels). Yield House, HG4, North Conway, N. H.



Portable comfort

Anyone who owns this neck pillow of durable vinyl covered in corduroy will take it wherever he goes. Choice of colors includes gold, green, blue or charcoal. Perfect companion for the traveler, the pillow deflates for packing, can be blown up to desired fullness with little effort. \$3.50 postpaid. Better Sleep Company, Dept. HG4, New Providence, N. J.



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Keep a putting eye in practice and steady a wayward wrist with this new electric golf game. Fun for both high or low handicap golfer, it automatically returns the ball. For the "pro" there is a very small cup for aiming the ball; for the duffer there is a more generous area. \$6.95 plus 25c. Page & Biddle, Dept. HG4, 1038 Lancaster Ave., Bryn Mawr, Pa.



Lazy Susan HERB GARDEN

A complete 12 piece gourmet set comes with a beautiful and sturdy pressed-wood Lazy Susan containing 5 removable white Styrene pots, pack of Black Magic earth and 5 packets (enough for 3 plantings) of herb seeds. Herbs are: Sweet Basil, Chives, Sweet Marjoram, Summer Savory and Cheryil. Lazy Susan comes white or maple. Complete

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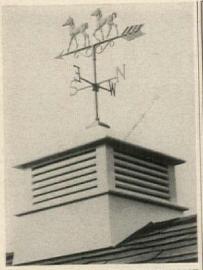




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A Sherle Wagner Original, jewel-crafted with exquisite perfection in 24 kt. gold plate. \$139.50.* Greek Key Bowl, \$75.00.* Available with correlated accessories. At the Sherle Wagner Shop, 123 East 57th Street, New York 22, N. Y. For illustrated brochure send 25¢ to Department SG.

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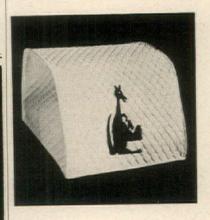
Ancient symbol

Miniature reproduction of the famous god Ho Toi (reputed to be the guardian of health and happiness) is an import from Hong Kong, The tiny figurine is beautifully hand carved from solid rosewood and can be used as an ornament or as a paperweight for a man's desk. About 4" high. \$1.50 postpaid. American Trader, HG4, 31 Lafayette, White Plains, N. Y.



In vino veritas

Start your own wine cellar (in any kind of space) with an Add-A-Comb wine rack. Individual aluminum sleeves lock together by grooves; additions can be made as wine supply grows. Sleeves, 4" in diam. x 6" long, are finished in gold color. \$9.50 for six; \$18.95 a dozen, ppd. Camalier & Buckley, 1141 Connecticut Ave., N.W., Washington, D.C.



Well preserved

Protect a typewriter and add a decorative note to the study or student's room with this spanking white quilted plastic cover. Gaily decorated with a black applique of an engaging kangaroo, it is well made and easy to keep clean. Available in two sizes; for standard or portable machines. \$1.95 postpaid. R M S Interiors, HG4, 214 W. Ontario, Chicago, Ill.



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Sprinkle just as you would by hand, with your favorite adjustable spray nozzle—but let the patented Lykke-bo HOSE STAND do the work! Hose fitted with spray nozzle is easily friction-clipped to stand's adjustable head. Place firm, four-legged base anywhere—on lawn, drive, hillside—just point hose at area to be watered! No need to get wet to change sprinkler position! Sturdy; handsome green finish. \$7.95 postpaid (US and Can.); no COD's. Order yours today!

THE LYKKE-BO COMPANY

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Nostalgie reminder

This gleaming jar, inspired by an old-fashioned coach lamp, makes a charming container for candies or, in a bathroom, looks delightful filled with balls of colored guest soap. Clear glass panels are framed and topped with polished brass. Measures 4" in diameter by 10" high, is only \$4.95 postpaid. Order from Wood & Co., Dept. HG4, Box 65, Cascade, Colo.



Sleep, my pretty one

Short sleek nightgown, copied from a classic Greek shift, is made of polished satin in a choice of royal blue, white or black. Binding at hemline, top and armhole is of white satin, and there is a matching white satin rope belt. Home washable. Sizes 10 to 20. \$4 postpaid. Order from The Satin Shop, HG4, 1209 Balmoral Ave., Chicago, Ill.



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Beautify a buffet table with exquisite handmade sterling silver serving pieces. Sardine, herring or anchovy server has a three-tined end, a twisted stem and a beautifully modeled fish finial. 6" long. \$5.40. Cake server is pierced and has a handle embellished with roses, 73/4". \$10.95. Ppd. Tax incl. Jamaica Silversmiths, 79-32 164th St., Jamaica, N. Y.



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Your name, number (or any wording you want) gleams on both sides of your DAY-n-NIGHT Marker, in permanent raised letters that shine bright at night! Rustproof aluminum; plates have baked enamel finish with black background, white reflecting letters. Up to 17 letters and numbers on nameplates, 6 on number plates; same wording on both sides.

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one or two lines, up to 20 letters per line



DOOR MARKER, 7" x 1" Brass, Style DOB . . . 2.95 ppd. Bronze, Style DOZ . . 3.95 ppd.





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These Caladium Leaves change your garden into a beautiful night time fairyland. Made of aluminum and finished in enameled leaf green, they blend perfectly with garden foliage by day. Each leaf measures 11" x 7" and has a concealed light which casts a soft, gentle light on flowers and foliage at night. Stem is 31" and comes complete with watertight, safe cord and socket.

1 Leaf and 12' cord 2 Leaves and 12' cord \$28.00 Dept. HG4





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For gracious easy care, this durable lacy wrought from furniture is light weight. Choice of white, plak, blue or black baked on enamel finish for lasting beauty. Fully assembled. 2001-A Armchair

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HORMON

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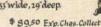
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HORMONEX with pen-HORMONEX with penetrating Sesame Oil, gets wrinkle-smoothing female hormones beneath skin's surface, to work most effectively. Just apply 7 drops daily to face and throat. See wrinkles fade quickly, safely. Hormonex is the product of a trustworthy 40-year-old laboratory. It is sold in over 500 leading department stores and recommended by thousands of pharmacists at \$3.50 for a 100-day supply. NOW a special 10-DAY SAMPLE will be sent you postage paid, without obligation, so that you can see the astonishing results it brings. To get your 10-DAY TRIAL SAMPLE write to address below. Please send 25¢ in coin or stamps to cover packing, handling charges.

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SHOPPING



For a lean look

With determination, patience and a paper-bound book candidly entitled Heavy Legs you can streamline your lower extremities. Edited by a physician, it contains simple directions for exercising thigh, calf and ankle, Profusely illustrated, it will help to produce results when used religiously. \$1.98 ppd. Modern Methods, HG4, 296 Broadway, New York, N. Y.



For festive parties, use plastic gelatin molds marked with a befitting message. When the jewellike pudding is displayed on the serving plate it will spell out the greeting. 8" star mold holds 24 ounces, comes marked "Happy Birthday, name and age," \$2.75. The 10" ring holds 40 ounces, bears the message "The name are glad you came", \$4.25. Postpaid. Helen Gallagher, HG4, Peoria, Ill.



A third hand

Save time when arranging a hair do or setting pin curls with a popup bobby-pin holder. Precision made of sturdy white polystyrene, it has a dependable mechanism which delivers a pin every time the top is depressed. About 3" high, it is easy to pack when traveling. \$1 postpaid. Order from Carol Beatty, Department HG4, Beatty Building, Culver City, Calif.

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Table talk

Spark up the breakfast hour by serving fresh fruit in a charming bowl designed like half a cantaloupe. Interior is a lovely melon pink, outer side is convincingly veined in green and beige just like a fresh melon. This makes a nice serving dish for individual portions of soup or ice cream. \$4 ppd. each. The Landing Co., 14-16 150th St., Whitestone, N. Y.



Canine caddy

Beguiling French poodle is, in reality, a summer pocketbook! Basic ingredients are white straw and pink marabou, with jewel-like stones forming the eyes. Perched on top of the poodle's head is a black velvet bow studded with rhinestones. Bag opens at neck. 12" high. \$19.95 postpaid. Tax incl. Stewart's, HG4, 21 East Las Olas Blvd., Ft. Lauderdale, Fla.

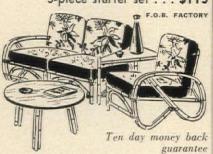


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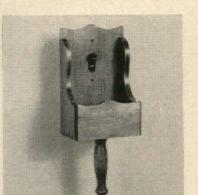
The Satin Shop, 1209 W. Balmoral G., Chicago 40, III.

SHOPPING AROUND



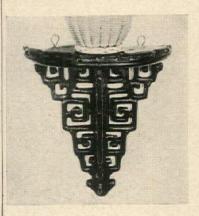
By popular demand

A dress to cherish all summer, this wash-and-wear cotton is printed in glorious stained-glass colors. Convertible neckline lends itself to a variety of jewelry, self belt is neat and trim, back voke gives ease of motion and button-down front makes it comfortable to wear. 10 to 20. \$9.95 postpaid. From Johnny Appleseed, Dept. HG4, Post Office Box 701, Beverly, Mass.



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Accent for a country room: a pine finished sugar scoop designed to cover a light switch! Copied from the old-fashioned scoop used in the country general store, it is large enough to hold a metal liner in which to plant ivy or philodendron. 101/2" high x 41/2" wide x 21/2" deep. \$2.98 each; \$5.50 for two. Postpaid. Crescent House, HG4, Box 621, Plainview, N. Y.



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Wall bracket made in America has a typical oriental feeling. A hard cast stone. Gemstoneware, is used in the reproduction of one of China's favorite brackets on which to display art objects. 91/4" wide x 5" deep x 91/2" long, it is finished in pickled wood, a dark brown color. \$9.95 postpaid for one. Ziff & Company, HG4, 1534A Merchandise Mart, Chicago 54, Ill.



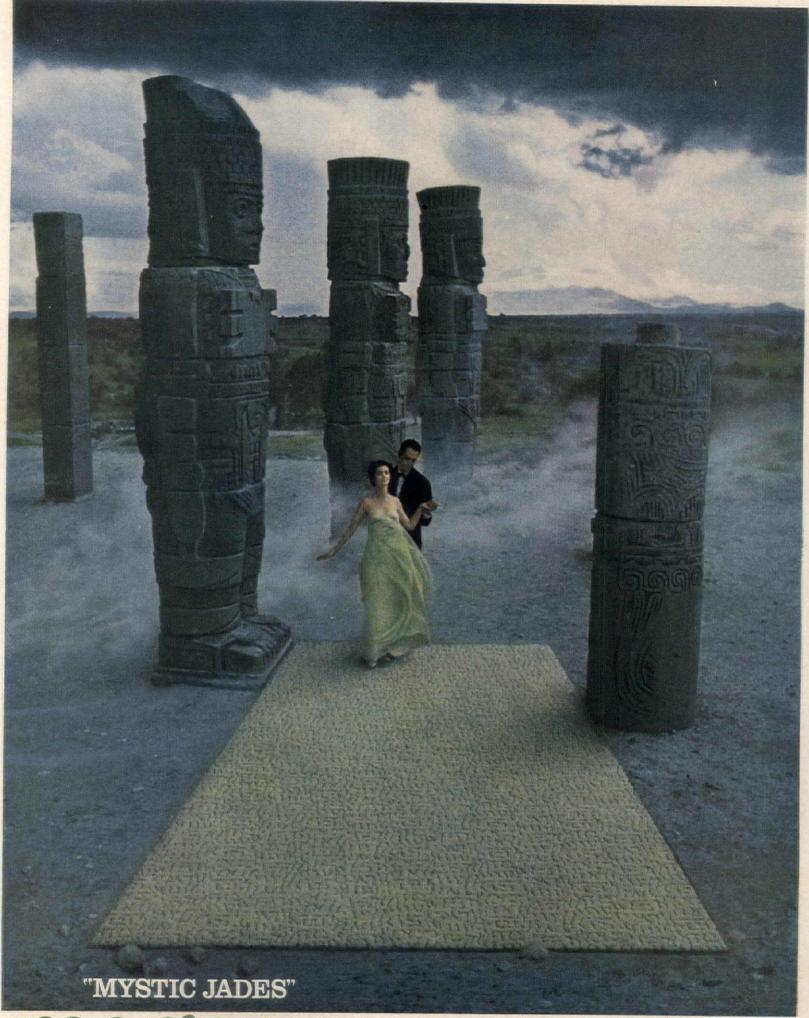
Good channels

Comfort and good looks are combined in this channel-back chair with a hair-filled, coil-spring seat. Frame is sturdy hardwood; covering is acetate frieze in toast, coral, aqua, flame, emerald, gold or brown. Available too, in 20 shades of spotproof velvet. 36" x 27". \$46.75 ea.; \$90 a pr. Exp. coll. Hunt Galleries, Department HG4, Box 492, Hickory, N. C.



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Hand-hooked cotton rug, worked in the figure of a rakish looking cat, will capture the heart of every member of the family. Colorfast and washable, it is a practical size (35" x 32") for bedside, bath or in front of the kitchen hearth. Comes in black and white. Only \$6.95 postpaid. Order from Deer Hill Company, Department HG4, Flushing 52, N. Y.



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SHOPPING AROUND

Tile topics

Protect table tops with this goodlooking trivet which has a sturdy handle attached. Frame is made of hand-rubbed pine, into which is set a ceramic tile decorated with multi-colored old-fashioned designs. A leather thong is for hanging. Size, including handle, is 10" x 61/2". \$3 ea.; \$8.75 for three. Empire, HG4, 140 Marbledale, Tuckahoe, N. Y.



Add a sophisticated touch to bedroom or living room with a striped Madras spread. (Split one for a pair of draperies.) Dominant colors are rust with orange, blue with green or lavender with wine. 72" x 108" spread is \$3.99, 90" x 108" is \$4.99. Express collect. Order from The Akron, Department HG4, 4402 Sunset Boulevard, Los Angeles 27, Calif.



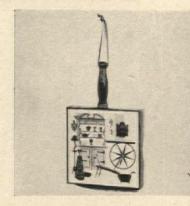
Striped summer bag, perfect foil for solid color cottons, is made of multi-color handwoven raffia. Lining is spic-and-span white rayon; handles are wrapped with clear plastic for easy cleaning; frame and catch are sturdy. 9" x 11", it has a generous capacity. \$4.95 plus 50c postage. Fed. tax incl. Old Pueblo, Department HG4, Box 4035, Tucson, Ariz.

Man's best friend

To keep your family pet safe, comfortable and happy, use Slide-O-Matic whenever he is tethered outside the house. Made of chromefinished metal, the chain will not tangle or trip the animal, and can be attached to a line, a pole or the side of the building. Approved by American Humane Association. \$3.49 ppd. Panda Products, HG4, 1200 Niagara, Buffalo 13, N. Y.

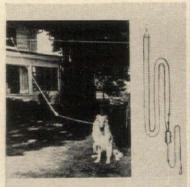
All that glitters

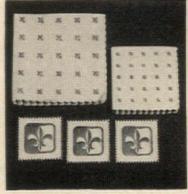
For your next informal party, use these attractive cocktail napkins (9" square) made of linen-like white paper decorated with gold fleur de lis. With them come matching luncheon napkins (13" square), \$1 for 50 cocktail and 30 luncheon napkins, Absorbent 3" square coasters are 59c for 20. All postpaid. Kimball Printers, HG4, 100 Bond Street, Oshkosh, Wis.



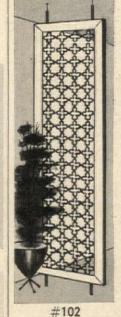








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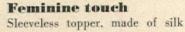
Dept. HG-40, box 25 • highland park, III.

SHOPPING



Good seating

Solid birch and hand-woven rush fiber are used in the construction of this handsome Viking chair, direct descendant of Scandinavia. Perfect for dining, it is 30" high; seat, 15" x 18". Available unfinished to paint or stain yourself, \$9.95. Finished in maple, walnut, cherry, pine or mahogany, \$12.95. Exp. coll. Order from Jeff Elliot, Statesville, N. C.



jersey impregnated with 24K gold, has a low bateau neckline which is gracefully draped in front and back. Wear it with a dramatic theatre suit or, for more formal occasions, with a billowy white chiffon evening skirt. Sizes 32 to 40. \$25 postpaid. Order from Scintilla, Dept. HG4, 1209 West Balmoral Ave., Chicago 40, Ill.

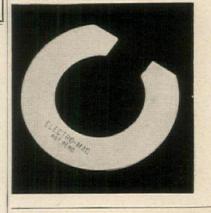


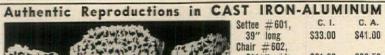
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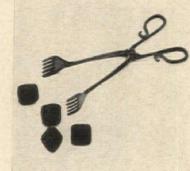
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In time for the up-coming barbecue season, these sturdy scissorlike tongs are indispensable for turning a steak, lifting a roast or arranging ears of corn in the firebed. Finished in black, the 14" long tongs have two fork-like finials which grip securely, and easy-to-hold handles. \$1.65 ppd. Beau Monde, HG4, 469 Beacon Street, Boston 15, Mass.



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Party server

For buffet fare, this extra large basket tray, 21" x 161/2" x 3", is the perfect container for mounds of fried chicken, for an arrangement of fruits and cheese, or loaves of French bread. Handmade in the Orient, the natural color tray is sturdy and good looking. \$2.98 plus 35c postage, From Foster House, HG4, 6523 N. Galena, Peoria, Ill.



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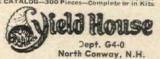
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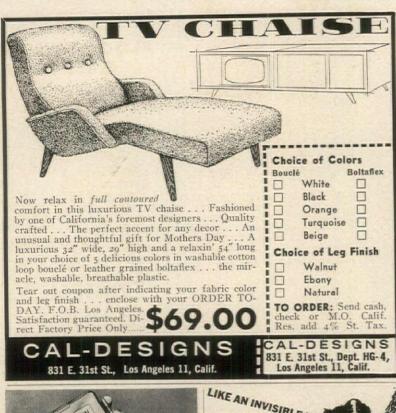
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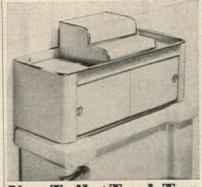
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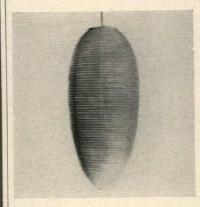
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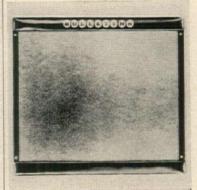
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Fresh approach to the ceiling fixture problem: the Naguchi beehive globe. White rice paper on a bamboo frame is kept cylindrical and taut by a concealed steel spring harp. 23" long, the beehive has an airy lightness which is decorative and pleasing. Use singly or in clusters, \$6.95 ppd. for one. Patio Sales, HG4, 1672 Skokie Valley Road, Highland Park, Ill.



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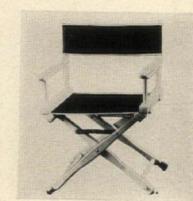
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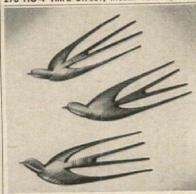


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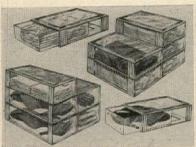
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coats white,
31" high, 18"
square. Aluminum or copper covered
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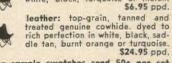
PLAY-BRIDGE ALBUM—complete 12 lesson bridge course from point count to slam play on individual bands. Two long-playing RCA Victor records by Morton Rubinow, the Voice of Bridge. 72-page book with 81 practice hands and 184 quizzes and solutions. Albert Morehead, of the New York Times, says: "Rubinow will be to bridge what Berlitz is to languages." Mr. Rubinow, faculty member at the famous Card School in New York, is a Life Master who currently holds both the National Masters Team and Masters Pair Championship titles. He is an official member of the U.S. team to the 1960 World Bridge Olympics in Italy. Two-record album and book \$8.95 (postpaid).

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SHOPPING



By lantern light

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Traditionally yours

To use as a side or dining chair, this faithful copy of a Colonial ladderback armchair has beautifully executed wood turning and a handmade cane seat. Chair, 42" high. Seat is 1534" by 20". In two excellent finishes: honey-tone Salem or mellow antique. Assembled, \$27.95, express collect. Meadowbrook, HG4, 126 East Sunrise Highway, Merrick, N. Y.



Gift for the garden

Delight a green thumb hobbyist with enchanting outdoor faucets. Made of beautifully cast bronze finished in green, they come in a choice of three designs: the spread-wing sparrow, a leaping trout and a graceful dragonfly. Please specify first and second choice. \$10.25 each. Postpaid. The Erkins Studios, HG4, 8 West 40th Street, New York.



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For an entrance hall, dining area or a covered porch, this excellent copy of the well loved Deacon's bench has a back and understructure made of hardwood and a seat of hand-scooped pine. 72" x 32" Assembled, sanded but unfinished, \$44.95. Finished in antique maple. light or dark pine, \$55.95. Exp. coll. Templeton Craftsmen, Inc., HG4, Templeton, Mass.



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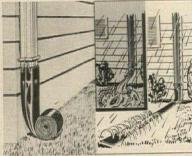
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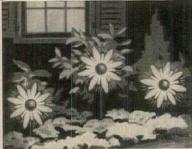
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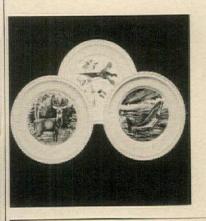
Good cover

Realistic mushroom lamp which blends with the landscape will light a garden path, terrace steps or driveway. 15" high, it is made of rust-proof metal finished in Pompeian green. 12" diameter shade is decorated with an appealing small frog. \$35 express collect complete with 12 foot moistureproof cable. Ludlow Studios, 115 West 23rd St., New York, N. Y.



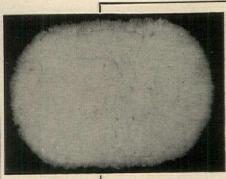
Mariner's delight

Fine reproduction of an antique sailmaker's bench was copied from an original in Mystic, Conn. Made of mellow brown stain pine, it is 16" w. x 45" 1. x 18" h. Used as a table, it adds a seafaring touch to a country room. Covered pot of brown glaze stoneware (for tobacco or plants) is included. \$89.50 exp. coll. Lennox Shop, HG4, 1127 Bdwy, Hewlett, N. Y.



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An inexpensive gift that every house owner will be glad to own, this rock maple cutting block lends itself to many uses. Six inches square, it is fitted with four acorn-shaped feet, and is a perfect height for kitchen countertop or at the bar. A well honed stainless steel knife is included with it. \$2 postpaid. Dory Shop, HG4, Box 23, Swampscott, Mass.



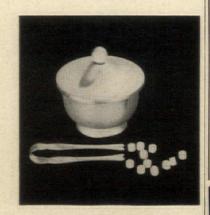
Sunny side up

Serve an eve-appealing breakfast egg by frying it inside a "ring" that stands in the skillet. Ring eliminates uneven edges, which have a tendency to become hard or burned. Made of nickel-finished aluminum, it has a folding handle. Four rings fit compactly into 9" frying pan. \$1 for a set of two. Ppd. Ess-Dee, HG4, 240 East 92nd St., Brooklyn, N. Y.



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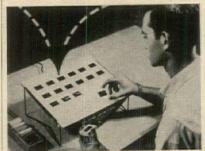
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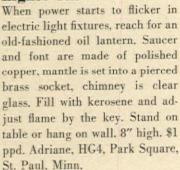
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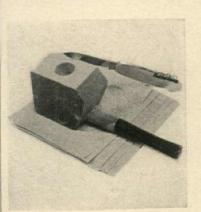


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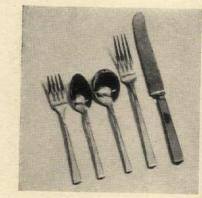
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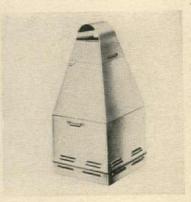
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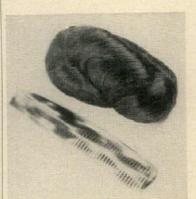
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Add a charming touch to a Provincial kitchen with this pine plant and towel rack. Carefully made of selected wood, it is finished in wax. Bar will hold standard size roll of paper towels. Trough is metal lined and designed to hold potted plants, an arrangement of flowers or fruit. 131/2" x 13" x 5". \$5.30 ppd. Laurie, Dept. HG4, Huntington Sta., New York.

To your health!

If you are in the pink, this gout stool will improve your well being. Designed and proportioned to relax the legs and feet, it has solid mahogany legs finished in brown or blond, and a textured tapestry cover in a choice of green, red, brown, citron or champagne. 15" by 12" by 22". \$15.65 ppd. Lee & Martha Snyder, HG4, Box 85, Station 30, Cincinnati, Ohio.

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Decorate your next party cake with a carnival air. Under a gay red and white striped paper canopy, five graceful plastic ballerinas dance about a splendid white plastic horse in silver trappings. On the horse's back is another dancing doll. Posts are red and white plastic. \$1 ppd. Artisan Galleries, Department HG4, 2100 No. Haskell, Dallas, Tex.

NOTES FOR THE HOSTESS BY DIANA BRYAN

Have made a note to break myself of that old notion that pewter goes only with knotty pine and country living. While shopping for a wedding gift for Don's cousin in Altman's silver department the other day I came upon a beautiful pewter after-dinner coffee service. Sleek-lined, supremely simple, with warm-toned teak handles, it was from a collection of modern and traditional Dutch pewterware. Hope I can soon find an excuse for buying one of those wing-handled serving dishes, plates or platters for myself.



MODERN COFFEE SERVICE IN PEWTER

With spring positively upon us, we can expect the overnight guest list at our house to start growing again. Tomorrow I'm making a check of "musts" for the guest bedroom and bath. To help the absent-minded as well as friends who decide to stay at the last minute, I must be sure the medicine chest contains extra toothbrushes, toothpaste, mouthwash, hand lotion, all-purpose cold cream, hair lacquer, cologne, dusting powder, and, specifically for our men friends, an extra razor, blades, shaving cream and after-shave tonic. Should add some hangers in the clothes closet, especially for skirts and trousers, a collapsible baggage rack, a shoe-shining kit, a small spot-removing outfit, and, as chill-ehasers, a hot water bottle and extra blankets. Top drawer stuff: stitch-in-time sewing materials plus safety pins and facial tissues. Know these small kindnesses will be a great help to guests as Don and I have found many of these in other homes and they certainly have made us feel welcome.

First meeting of the Good Books group gathered at Adele Hoehling's last Tuesday noon and things certainly got off to an



LITTLE BOWLS FOR INDIVIDUAL SOUFFLÉ

auspicious beginning with a delightful lunch planned around cheese soufflé. Adele, who can't bear to be in the kitchen when any discussion is underway, had lunch all prepared before we came. Just twenty minutes before we were ready for the pièce de résistance she popped eight fluted white soufflé dishes into the oven and when each puff was done to perfection, slipped the bowls into



their own bamboo jackets for serving. Her delightful finds were Ed Langbein Giftwares.

Our new neighbors, the Charbots, invited us to dinner the other night. Her reputation as a marvelous cook and hostess had already begun to circulate and so I was not surprised to see the superb centerpiece of tiny flowers and vegetables that graced her dining table. A basket of dull white pottery set on a matching pottery trivet was piled high with a miraculous mélange of small flowers (violets, quince buds, tiny pompons and roses) and small, perfect garden vegetables (tight little bunches of scrubbed carrots and radishes, pea pods and slim beans). The pierced base had been set over a shallow container of water so that more violets and parsley could bloom in a wreath around the foot, tucked into the slits. She told us the container was a Mottahedeh import she had bought for herself at W & J

Continued on page 100



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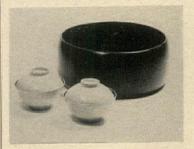
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Sloane. But the trick of the centerpiece, she assured us, was in the fresh look of the vegetables and the subtle small scale and balance of the flowers—something she had learned from her French mother-in-law.

* * *

Talk about nice little gesturesit's a thoughtful hostess who keeps a good-sized cake of soap in her powder room or guest bath. Nothing sets Don off faster than being confronted with those bon-bonsized bits of soap that skid all over a man's hand, eventually shoot off to disappear beneath the basin. Can't do much about other people's bathrooms, but I've recently rediscovered that old-fashioned Austrian soap called Wiener-wald-Veilchen Seife at The Tree House in New York and I am resolved to keep it on hand for both guests and family. It has a delicate floral scent that brings back pleasant memories of whitestarched Sunday school dresses, too-tight pigtails and Aunt Lois bending over for a kiss, wafting an aroma of violets.

Drove up to Di's school to collect her for spring vacation. Made such good time I found myself with a few hours to spare before classes were out, so I decided to amuse myself with a little browsing in some of those marvelous little shops in Cambridge, Mass. It didn't take much persuasion



LACQUER BOWLS IN MANY COLORS

at Opus 1 for me to latch on to a chastely attractive Japanese lacquered salad bowl with a full complement of little covered rice bowls. The colors went so well together, the shapes were so uncomplicatedly right. I chose a large bowl in black, smaller ones in red, blue, and cinnamon. Decided they would make a perfect gift for the Amundsens' new sailboat where breakage in the galley is always a hazard, though I can't resist thinking of the set laid out for soup or even a seafood sukiyaki on my own buffet.



DELICATE STEMWARE FOR WINE, WATER

Just the sight of Aline Cushing's incredibly fragile Lobmeyr crystal set the tone of the dinner she gave last Saturday night. How fantastically delicate this Austrian stemware is, seemingly blown from thin air with just enough substance to catch the light and give it shape! It takes courage to use it, 'though she tells me that she can replace any casualty at Black Starr and Gorham.

Aline is not an inveterate partygiver but when she decides to entertain she does it with such grace and loving attention that every detail is a small masterpiece. She is the kind of hostess who thinks place plates and lemon verbena in the finger bowls are still important, and who sees to it that the men can have their brandy and cigars away from the women.

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ure of 28½" from top to floor brings you a new height in comfort—more leg room than ever before. New hidden telescope safety locks release with finger-tip pressure. Choose from a spectrum of 5 new fashion colors. Shown, Gala Red. FLAIRE table, \$14.95. De luxe matching chairs with foam cushion seats and modern square tubing, \$11.95 each.

Optional Matching Chairs, just \$9.95 each

1960 Shwayder Bros., Inc., Folding Furniture Div., Detroit 29, Mich. Manufacturers of Samsonite Luggage, Available in Canada thru Samsonite of Canada, Ltd., Stratford, Ont., at slightly higher prices.



New Simmons sofa - always in the foreground

This charming room speaks eloquently of a husband and wife who refuse to compromise their own good taste. This room is outspoken about their diligence in seeking perfection and reflecting it in their every-day lives, in their dress, in their home. The room holds just one secret—their income is less, far less, than you would guess.

Their secret is not complicated. For instance, their Simmons sofa. When they first saw it, they were attracted by its high back, its traditional

design—and its understanding price tag. And so important, they loved the fabric. You will, too. It is excitingly luxurious, a puffed mattelasse. The pattern is inviting and tastefully restrained.

The fabric is woven of Enka Jetspun® yarn with cotton and saran by Sunbury. Jetspun is the modern rayon yarn with locked-incolor-fastness. Its true color, built right into the yarn, has extraordinary fastness to sunlight and cleaning. The rough and tumble of children cannot ruin long-wearing Jetspun's freshness.

Frankly, we can't keep the secret either. Whatever your income, nothing will say nicer things about your room than a Simmons sofa—covered with Enka Jetspun. "Devon" sofa by Simmons available in white/sandalwood, turquoise/turquoise, green/green, brown/black, white/bone, toast/brown. About \$229. AT LEADING STORES ACROSS THE COUNTRY. For name of store nearest you, write Simmons Company, Living Room Division, P.O. Box 31, La Grange, Illinois.



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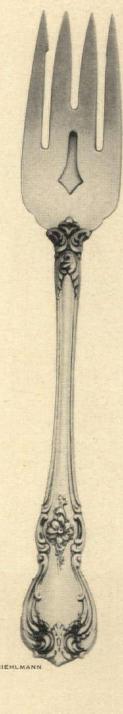
Gown: Bergdorf Goodman Fabric: Thaibok.

This beautiful contemporary furniture by American of Martinsville was made for you. Only wide acceptance of American's design and craftsmanship could bring you such quality—at such reasonable prices. Your choice of many exquisite groups...graciously coordinated for bedroom, dining room and living room. All so lovely to live with, yet so easy to own. The dresser illustrated is hand-rubbed walnut. A smart modern piece which reflects the soft magic of the Far East. One of many from our Legacy collection . . . about \$206. Or ask your dealer to show you other exclusive designs created for American by Merton L. Gershun.



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The history of American sterling is a tale of changing tastes. From the simple but noble utility patterns of Colonial days, followed by the classic patterns of the early republic and the delicate feminine motifs of the nineteenth century, we have come full circle to the handsome but simple contemporary patterns of the mid-twentieth century. But these have not wholly erased the memories of their predecessors-popular patterns of every age will always find staunch supporters and one of the best examples is Towle Silversmiths' leading design, Old Master.

In this pattern, first introduced in 1942, Towle has recaptured and preserved the delicacy, richness and refinement of the Victorian Age. The classic leaf, scroll, fluting and rosette embossed on the handle of Old Master and its gracefully curved fiddle-shaped tip are in the design language of the nineteenth century. The complete service includes sixty-six place and serving pieces, among them typically Victorian tools such as a candle snuffer, poultry shears.

Towle, the company that makes Old Master, can claim a heritage that goes back to the earliest days of American craftsmanship when gold and silversmiths were not only master artisans but local bankers. Anthony Towle, the founder, began his apprenticeship with William Moulton, the sixth generation of a family of silver craftsmen tracing its origins in Newburyport, Mass., back to the 1600s. In purchasing the company from the last of the Moultons in 1873, Towle also inherited the traditions of this 200-year-old family business.

Delicate and romantic ornamentation embellishes the Old Master salad fork pictured full size, above.

Its mood is set off to advantage by china and cut crystal patterned in a similar vein.

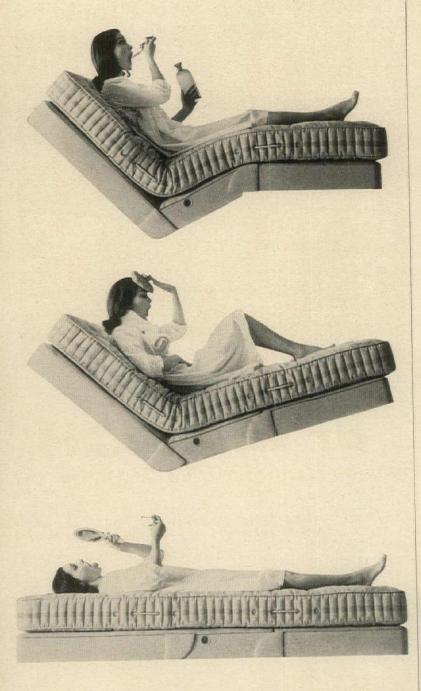


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Traditional brass with bead molding and channeled rim makes an appropriate receptacle for a formal living room. Brass rings permit handling without marring lacquered finish. 111/4" tall, 10" diam. B. Altman. \$25.





Natural rush in a deceptively fragile-looking basket is a becoming addition to a bedroom or sewing room. Airy open weave invites a pretty liner or interlaced ribbons. Mexican import. 10" tall. Merrill Ames. \$3.50.

Hand woven of grasses from Yugoslavia, this sturdy basket belongs in both Early American and contemporary settings. It takes to a coat of spray paint beautifully. 11½" tall, 11" diameter. Merrill Ames. \$4.95.





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Classic découpage and gold paper trim a metal wastebasket that enhances an elegant, traditional room. Holder combines handsome proportions with steadiness and a generous capacity suitable for an umbrella stand. Green background. 20" in height. Chillingworth. \$20.





Laminated wood, teak on the outside, birch on the inside. makes a waste pail of simple, contemporary lines that adapts itself to any room. Also available in all-teak or all-birch. With dull oiled finish. 121/2" tall, 101/2" diameter. Bloomingdale's. \$10.

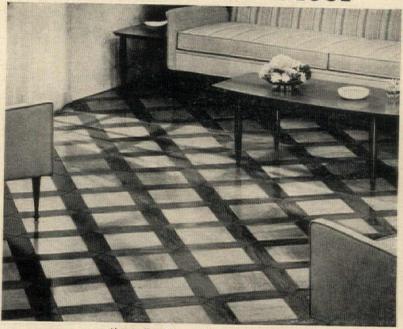
Inlaid leather in a bucket with incised gold leaf motifs and scoop rim makes a distinguished addition to a traditional setting. Brass hardware picks up gilt trim; maroon leather has high glaze finish. Slim, 111/2" high, with broad base for steadying. Italian import. B. Altman. \$35.





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April in Virginia is as famous as April in Paris. Starting March 29-April 1 the Williamsburg Garden Symposium meets at Colonial Williamsburg. April 6-7 the South's largest Daffodil Show will be held at Farmington Country Club in Charlottesville. The main building of the club was formerly a private residence designed by Thomas Jefferson. April 23-30 is Historic Garden Week when visitors enjoy a wide variety of gardens and homes all over the state. For all information write to Historic Garden Week Headquarters, Hotel Jefferson, Richmond, Virginia.

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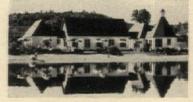
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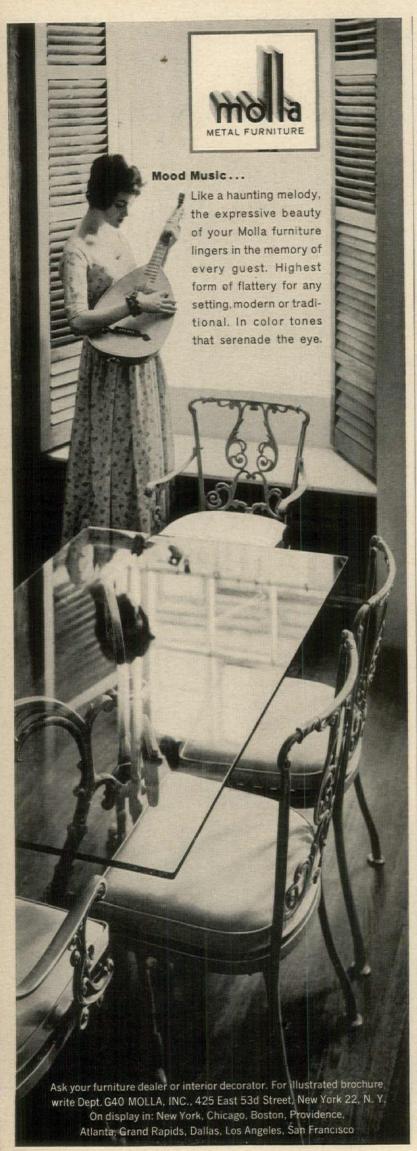
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Going places, finding things in

SWITZERLAND

BY THOMAS KERNAN



EDITOR'S NOTE: The editor of H&G's French cousin, Maison et Jardin, makes frequent jaunts to Switzerland, both on business and on holiday. A Virginian by birth and a long-time resident of New York City before moving to Paris, Mr. Kernan is uniquely qualified to alert H&G readers on places to go and things to look for in the country of cantons and cheeses.

Everybody knows that Switzerland has more ski-lifts per square mile than any other country, and midsummer mountain climbs that challenge every degree of skill. But the tourist agents don't make nearly enough of it as a very pleasant, often very beautiful land, where the non-athletic traveler, or the tourist out of season, finds a remarkable gamut of civilized interests. It is, to start with, one of the few countries where, if you don't wish to drive farther at sundown, you can put up at any village inn and be sure that you will find soft beds, clean toilets and a spot of warmth should the night turn cool.

To me personally, the charm of Switzerland springs from its curious variety, a result of the geographic and historic facts that have created this island in a world of voracious neighbors. The tunnels and engineered roads that we know today are comparatively recent; they date from the 1800s. But from Roman times, a heavy commerce between Germany and Italy toiled across the gorges, and the armies of the Holy Roman Emperor, of France, of the Hapsburgs, of Milan, of Savoy fought for the possession of a pass or the mastery of a fief in the central plateau. Cultural and artistic influences as well as immigration lapped over the mountain barrier from three sides-from Germany on the north, Italy on the south, and France on the west-so that modern Switzerland is a land of three racial strains and four official languages. (The fourth language, in case you are curious, is Romanche, spoken by 50,000 people in Canton Grisons; it is not a dialect, but the survival of a separate Latin tongue.)

Cultural variety

The different languages need not concern you too much: most people in hotels, restaurants and large city shops speak English. What is interesting is that all fea-



Contemporary version of a Swiss chalet was built for American Author, Irwin Shaw, at Klosters, the popular mountain resort.

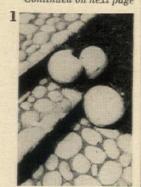
tures of life—the architecture of the houses, the gardens, the town planning, the color schemes, the way people dress, and above all the food—are also influenced by France, Germany, or Italy as the case may be. Only a universal orderliness and a certain calm efficiency make you realize that you are really in Switzerland.

In contrast to the other cities of Europe, the old patrician quarters of the Swiss cities have not been degraded into workshops or slums (I think of the Marais in Paris, the Via Giulia in Rome). The ancient homes of bankers and merchant princes have been remodeled or enlarged, and sometimes architectural periods trip over each other, but they have at least been preserved. The most distinctive feature of the Swiss house is usually the oriel, or baywindow, protruding from the upper story, its woodwork or masonry richly carved or painted with Gothic, Renaissance, or classic details. But, like everything else, such houses betray German, French or Italian influences, according to the region.

The most original expressions are in the country houses, some of them centuries old, sturdy and well maintained, confirming the solidity of their farmer owners. The wooden country houses of the Bernese Oberland have broad overhanging roofs covered with shingles, held down with large stones. The protruding rafters and the exposed beams are elaborately carved, the shutters are gayly painted. Proud of such refinements, the Swiss farmer used to refer to his schali or little château, whence the word chalet has entered a dozen languages as synonym of wooden mountain house.

In the Lucerne region, the houses have steeply pitched, high-gabled roofs. The ground floor is raised by a wooden exterior staircase. In rainy Appenzell, the habitation and the barn, both enormous, are at angles to each other under a single roof, so that the farmer can reach his animals without going outside. In the Valais, the village houses are four or five stories high, with a family on each story. The living quarters are in a wooden structure joined by an outside gallery to a wing built of

stone which traditionally contained the kitchens—not a bad fire-protection idea. In Northern Switzerland many houses have frescoes on the exterior, usually religious scenes, like those one finds in nearby Bavaria. On the other hand, in Canton Grisons, elaborate geometric or floral ornaments are executed in sgraffito: an underlayer of gray stucco is covered by a layer of white and then exposed by a masterly play of the trowel which works out the chosen Continued on next page









The new Japanese influence in Swiss gardens 1 Low steps created by smooth boulders—some sunk in sand, others left free. Designed by C. Trub. 2 Clear water passing from level to level in granite troughs similar to the bisses sometimes used for drainage in the high mountains. 3 A hollowed larch trunk, like those used for cattle troughs in the mountains, adapted by A. Eisenring. 4 A fountain playing into little pools cut into surface of granite boulder.

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SWITZERLAND continued

design. This has an Italian character, like the houses in Canton Ticino where open-air staircases and loggias communicate between the stories, even between rooms.

Window dressing

Brightly painted shutters liven the façades of most Swiss houses. It is the custom for official buildings and historic monuments to have shutters painted in herringbone design with broad stripes in the colors of the canton: white and green in Vaud, red and white in Valais, yellow and blue in Grisons.

If the Swiss did not invent the flower box, they have carried it to its greatest development. Not only does every private dwelling have its boxes, but business establishments sport them as well-even lamp-posts. Curious vertical gardens have been invented with flowers growing in vast baskets of sphagnum up the sides of buildings. One never sees elsewhere such colors as those in Swiss annual flowers, especially petunias, snapdragons, pansies, begoniasdoubtless a result of the altitude or the pure air. The local seedsmen have developed good varieties, but planted elsewhere the flowers never seem so colorful.

Switzerland is, very naturally, the paradise of the rock garden, and in Europe including England, rock plants are always known as "alpines," even those that really come from Tibet or the Rockies. Indeed the knowledge of rock plants started with the work of Henry Correvon of Geneva who in the 1880s created a famous rock garden which still exists at Bourg-Saint-Pierre where, at 6,000 feet altitude, he assembled no less than 2,500 species—and I don't mean merely varieties—for observation

and propagation. Correvon's own rocaille in Geneva no longer exists, but the great Genovese garden known as the Ariana is one of the most interesting in the world for the lovers of this specialty. As for perennial plants, I think that the best collection today on the continent (carefully excluding the British Isles) is at the Hoffman nurseries at Unterengstringen, Canton Zurich. Although this is a working nursery, not a garden, one is glad to make new acquaintances which, alas, the U.S. Department of Agriculture will not let you ship home.

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Recent influences

Garden design in Switzerland is going through a change. Until the war there were plenty of professional gardeners on the great estates sloping down to the lakes, who stuck to the old formal style of trimmed boxwood and circular beds in the lawn filled with pansies, petunias, cannas or scarlet sage. But since the war, as gardeners have become more expensive and rarer, the property-owners themselves have taken more interest in their gardens and have learned how to replace the timewasting formulas. In formal gardens containing old specimens of box and yew, they have maintained the French outlines but eliminated the seasonal interplanting. Elsewhere, they have gone in for English-inspired shruband-perennial gardens.

A still newer trend—it dates back only six or seven years—has been the Japanese-inspired garden which has also made a great impression on Germany. Since there is nothing that Switzerland has more of than stones, water and Continued on page 177

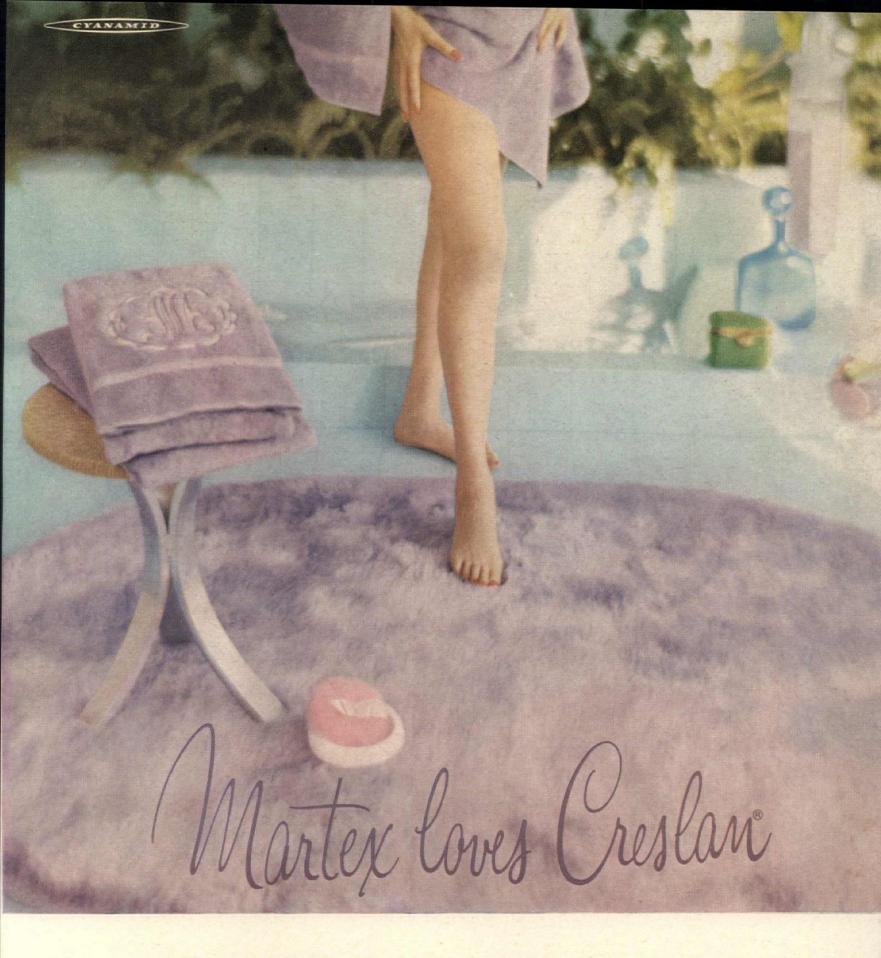


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THE KEY TO SUCCESSFUL REMODELING

- To remodel means "to model anew, to reconstruct." And what would life be without the magic of modeling anew? From early childhood, we rejoice in spectacular remodeling projects. Was there ever a more noble steed than a remodeled dray horse named Black Beauty? Or a more magnificent swan than the Ugly Duckling? Who can remain unmoved by the "before" and "after" pictures Dickens etched of those immortal waifs, Oliver Twist and David Copperfield? Or those of the fair lady whom Shaw called Eliza Doolittle?
- In every magical remodeling, you find two essential ingredients: a hidden potential, and the creative spark to make it come to life. You may very well have such a hidden potential right under your own roof; millions of families do. For a house, like the people who live in it, is always susceptible to dramatic change. While a family normally expands (both in numbers and interests), a house seems to contract (both in size and facilities). Isn't it true that after we've been away from home for even a short while our houses look different, a trifle scaled down from room to room? Remodeling can produce exactly the opposite effect. Rooms can be re-shaped to give more space and better space. Equipment can be replaced to give you better service. New materials can be added to summon any mood you wish. Most important of all, when people discover the hidden potential in their house, they create a rich opportunity to model anew their whole living pattern. For when an aging house is remodeled to shine and sparkle, it provides a fresh and stimulating atmosphere in which a family can shine and sparkle, too. Look for clues to the remodeling potential of your own house on the next forty pages.

HOUSE & GARDEN, APRIL, 1960

When is REMODELING

A practicing architect points out certain basic factors you should consider—whether you are thinking of modernizing an old house or merely revising your present house to meet changing family needs

Your family has changed. (What family doesn't?) You have been trying to decide whether to build a new house or buy an old one—whether it makes more sense to stay put or to move away. If you live in an old house now, it may, just possibly, be smarter to turn it inside out and upside down, tear out and replace most of its plumbing, wiring and heating and go into debt while doing it—than to pack up and move to Jonestown on the outer fringes of suburbia.

There are a good many different factors that will influence your decision, and some are obvious. (Everybody knows that you are supposed to look at the beams—but unless you know a lot about beams, you'd better get someone else to look at them.) Yet the single, most important factor in deciding whether or not to remodel is often forgotten altogether or put somewhere at the bottom of the list. That factor is location. Location is so decisive that, in some cases, a good location should persuade you to stay where you are—even if it means tearing down your old house and starting from scratch.

City-planners, when talking about the growth of American towns over the past couple of decades, like to refer to something they call (rather indelicately) our "suburban sprawl." The suburban sprawl is Jonestown, and its outer fringes are where, in all likelihood, you would have to look for a new house or available land. To put it another way: If you live in an older house in one of the pre-World-War-II suburbs—or even if you live in one of the very small houses built immediately after V-J Day—the chances are you are living half way between today's suburbia and downtown. This fact alone may save you a total of an hour or more each day in commuting time (assuming that you work downtown). Most hardened commuters from and to the outer fringes of our cities would give a great deal for that extra hour each day. So there is the

first reason for staying in your present location—a reason you may not appreciate fully until it is too late.

The next reason for staying put or for buying an old house is almost as compelling: one of several crimes committed by recent suburban developers is to chop down every tree outside your wide, new picture window. (Most developers have tried to make up for this by planting telephone poles at 100-foot intervals, but these rarely sprout leaves.) If you live in an old suburb, your house is probably surrounded by fair-sized trees that took many decades to grow to their present height. To understand what these trees represent in terms of dollars and cents, you should realize that it may cost as much as \$100 to buy and transplant a 20-foot high maple—and astronomical sums to transplant the really big ones. So, unless you live in Southern California (where everything grows to towering heights overnight), you should think twice before leaving your old garden behind.

There are many other reasons why location is of primary importance: friends and family ties, neighborhood schools, churches, clubs and other institutions that you might miss in outer space. It may be, of course, that the old neighborhood has been going downhill. (One good way of finding out—if you don't know—is to ask your local bank: mortgage bankers have an uncanny feel for such things as urban decay.) Yet even if your neighborhood seems to be on the skids, you and your friends may, just possibly, put a stop to the trend by concerted effort. Places like Georgetown in Washington, D.C., and College Hill in Providence, R.I., went through some lean years only to become very desirable again when people realized that the outer fringes of suburbia were not all they had been cracked up to be.

In short, remodeling might make sense for a great many people who either live in—or buy—an old house. Regardless of whether the house is antiquated and unmanageable, or post-war and too small, it may be worth remodeling if its neighborhood, street and garden are worth hanging on to.

Having decided that the *location* of the old house is a distinct asset, you should next take a look at the house itself to find out what sort of shape it is in. Or, better still, get an expert to take a look at it for you. Over the past fifteen years or so, remodeling has become quite a big business, and there are many contractors in every town who have become experts at this business. Go to one with a good reputation among his past customers—or to a local architect if you can find one who specializes in remodeling—and get him to look the old

WORTH WHILE?

By Peter Blake

place over. Even if you have to pay a nominal fee to an expert, his report may save you a great deal of money later on.

You yourself can find out a lot about the condition of an old house if you know where to look. For example, it may be hard to get at the studs, joists and other framing members, but you can tell a good deal about them from the silhouette of your house. Walls that bulge slightly, or roofs that curve gracefully along the ridge-line may hold a certain, irresistible charm for you, but they may also hold termites and other troubles. In any case, it will pay to make sure.

As for the operation of the mechanical equipment in your house, you are probably as familiar with that as anybody else. If your old house has the kind of heating system that uses "one pipe" steam radiators with a valve at one end, you may be fed up with having your rooms filled with stale steam

every time the valve opens up. In that case you may have to put in new valves (which costs very little) or a new heating system (which costs much more). If your old plumbing system spouts a kind of thin beef bouillon at regular intervals, you may wish for a more appetizing sight in the morning; if so, you may have to replace your water pipes and your water heater. And if your wiring tends to heat up to a fine, reddish glow whenever you plug in all the new gadgets and appliances you have acquired in the last few years, you should either run to the nearest licensed electrician or double the fire insurance on your house and its contents. In either case you will have to spend some money.

There is nothing cheap about remodeling an old house. Just to rewire the place may cost you as much as \$500; putting in a new heating system (Continued on page 210)

HOW TO FINANCE YOUR IMPROVEMENTS

If you want to borrow money for a remodeling project, there are four methods to choose from. Before considering your application, however, most lending institutions will require a full set of blueprints and specifications. And since lending practices and interest rates change frequently, it would be wise to check the situation with various lending institutions in your area when you are ready to remodel. The rates noted below are those in effect at the beginning of 1960.

1. FHA "TITLE 1" HOME IMPROVEMENT LOAN

What is it? A personal note insured by the Federal Housing Administration.

How much can you borrow? Top limit is \$3,500, repayable in equal, monthly installments over a period of 5 years and 32 days. Loans of less than \$600 are repayable in 3 years and 32 days.

Where do you get it? From almost any local savings institution or commercial bank—through most remodeling contractors or lumber yards.

Advantages: Very easy to get provided you meet the credit qualifications.

Drawbacks: \$3,500 will not pay for a great deal of remodeling (possibly a new kitchen and bath, or an added bedroom). Interest rates are rather high: \$5 discount per \$100 annually on any amount up to \$2,500; \$4 discount per \$100 on remainder over \$2,500 (on maximum loan of \$3,500 for 5 years and 32 days, monthly payments would be \$71.89). Purpose for which money may be spent is limited to basic remodeling, excludes extras such as swimming pools, greenhouses etc.

2. A NEW MORTGAGE

How do you get it? Chances are, the bank that holds your present mortgage will be willing to refinance it—that is, to

give you a new mortgage for a higher amount.

Advantages: You can probably obtain more money than you could with a Title 1 loan. Repayment can be spread out over a longer period and interest rate will be lower. Your monthly mortgage payments will be simplified since your indebtedness will be consolidated in one loan.

Drawbacks: Your new mortgage is likely to be costlier than your present mortgage since rates are higher today. You will also have to pay mortgage closing costs again.

3. AN OPEN-END MORTGAGE

What is it? A mortgage containing a provision that the borrower may secure future additional advances from the lender up to, but not exceeding, the original amount of the mortgage.

Where can you get one? From any bank that writes such loans—generally an institution in your own community.

Can you convert your present mortgage to an open-end?

Probably—by negotiating with the present holder.

Advantage: Savings in cost of title insurance, legal services and recording fees when additional advances are obtained.

Drawbacks: Amount you can obtain at any one time is limited to the difference between the unpaid balance of your mortgage and its original amount.

4. COLLATERAL ("PERSONAL") LOAN

What is it? A loan for which you post stocks, bonds or life insurance policies as security.

Where do you get it? From any commercial bank.

Advantages: Lower interest rates and few, if any, restrictions on purpose for which money is to be spent. The amount you can borrow is limited only by the worth of your collateral.

Drawbacks: As a rule, collateral loans are made for comparatively short periods, but they can be renewed.

How to MAKE AN OLD HOUSE NEW

The strategy in this Victorian house: to eliminate major flaws, camouflage the minor ones

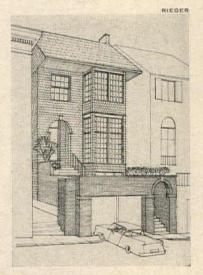
■ When a growing family takes a powerful fancy to an old, down-at-theheels house, you can be sure they are captivated by the vision of a magical transformation. High ceilings promise a roominess you seldom associate with new houses. Intricately parqueted hardwood floors may be badly battered but by no means beyond redemption. Small and boxy rooms sometimes can be merged, perhaps with minimum structural changes, into one spacious and flexible area. Nearly all things are possible in an old, basically sound house. But the real thrill of remodeling comes when you can achieve great new effects with imaginative solutions and limited means. This often calls for the politician's art of intelligent compromise: You make your major changes only where they will correct major flaws. The minor flaws you hide with new transforming materials, patterns and textures. Wood paneling can enclose new storage walls; plastic finishes can revive kitchen walls and counter surfaces; an ever-widening range of bright and durable floor coverings can put worn flooring out of sight, out of mind. And a paint brush can be your magic wand.

All of these techniques were included in the remodeling strategy of architect Robert B. Marquis when he did over an 1880-vintage house in San Francisco for his own family. Though obsolete, the house was not outworn, and any design drawbacks were overbalanced by some obvious advantages: a city location near schools and office; a spacious interior, 74 feet long with 11-foot ceilings; and four bedrooms and two baths upstairs. How Mr. Marquis' remodeling strategy worked can be seen in the living room, opposite page, and in other first-floor rooms on the following pages.

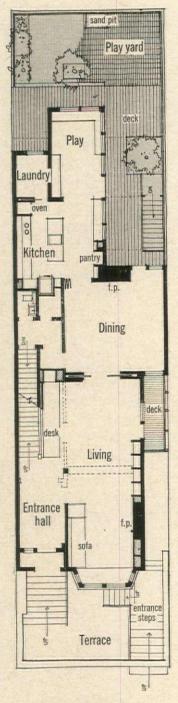
on the street side of the house the simplest changes were made—a new front door, a reshingled wall, new paint on windows and trim. The entrance is through the street level arch next to the garage, which had been built conveniently under the house in an earlier renovation. At the rear is a new terrace (see shaded area of plan, far right) which is both seen and entered from the remodeled children's playroom. The major structural changes in the house consisted of removing a wall and cornice in living area (see dotted lines on plan) and altering kitchen.

In remodeling portfolio here and on following 20 pages: All floor plans show size and shape of room after house has been remodeled.

Dotted lines indicate walls which have been removed. Gray areas indicate new additions.



REMODELED EXTERIOR



FIRST FLOOR PLAN



EZRA STOLLER

LAVISH BOOK WALL AND FLOOR-LENGTH WINDOWS were two objectives achieved by remodeling in living room (for others, see next page). The shelves, which also house hi-fi equipment, look recessed because front edges are flush with new redwood paneling that was built out several inches from original wall. Windows were extended to floor and fixed glass panels substituted for movable sashes. Outside, in narrow space between windows and wall of house next door, a wooden deck was built to hold potted plants.

You can create new spaciousness by removing unnecessary walls

Even though you know a wall can be safely torn down, you need the courage to be ruthless. One wall and an arch were removed to create this expansive livable room, nearly 32 feet long and 20 feet wide. But the "creative demolition" didn't stop there. Off came the wood wainscoting from the walls of the adjoining dining room, and the fussy rosettes and cornices from the ceilings. Off, too, came the ornate stairway balusters, which were replaced with straight ones. Finally, with new dimensions and uncluttered surfaces achieved, the actual rebuilding began. A long work table with hardboard top was cantilevered from the stair wall, and two shaded lamps hung from the ceiling. Above the table, the stair wall was faced with burlap-covered wallboard to serve as a bulletin board. Because it was impractical to patch up the old wood floors where the walls had been removed, the entire area was covered with cork tile. In the back wall, next to the stairs, a new storage recess was built to hold a Japanese tansu for stationery. General lighting was provided by new square fixtures set in the ceiling.



OLD BARRIERS to up-to-date living were the wall that enclosed the long, gloomy stair hall, the ornate arch and the thick cornice that divided the two small parlors. For structural support, the walls were replaced by the large post and ceiling beam next to the stairway, right. The paneled sliding doors to the dining room were left undisturbed since successful remodeling calls for knowing not only what to get rid of but also what to keep.







You can make room for children's play near the center of family living

ONE BIG KITCHEN PLAYROOM with easier access both to the outdoor play area and to the dining room was achieved by a series of moves in the back half of the Marquis long narrow first floor (see plan, opposite page). Originally the space was divided into two rooms, right: a kitchen and, behind it, a breakfast room. The two were made one by removing major part of wall between (from outside wall to left of doorway, right). Windows of assorted sizes were replaced by seven new fixed windows extending from counter height almost to ceiling, and outside door was relocated from old kitchen, right, to play area (see plan, opposite page). The dual result: a wonderfully bright place for children to play where they can be easily supervised; a new and brighter kitchen which seems even more spacious because it opens to other rooms at each end. Oven and burners, cabinet and shelves were built into left wall of new kitchen, above, and a new island counter with sink and built-in griddle was installed nearby.



BEFORE





TO THE BRICK-PAVED PLAY YARD at the back of the house the children can run in and out through the new door from kitchen-playroom, and Mrs. Marquis can easily keep an eye on them from the kitchen. This city garden is practically maintenance free; it includes several planting areas for slim white birches and bushes which take care of themselves. Landscape architect. Laurence Halprin.

EZRA STOLLER







BEFORE

to the directly from kitchen without having to be carried through small hallway that formerly led to dining room door, left. Door was closed off, and wall between dining room and kitchen (left of chimney breast) was removed and replaced by folding door (see plan, far left). Window at right of fireplace was enlarged and replaced by one fixed pane and a glass door to deck and play yard—thus drawing into one orbit the cooking, dining and children's play areas. Dining room was transformed simply by removing dado and ungainly mantel, framing fireplace with brick.

Continued

REMODELING

How to OPEN UP WITH WINDOW WALLS

Even to a house of the Twenties you can add the contemporary assets of light, air and a view

If you happen to own a middle-aged house of Spanish, Tudor or Colonial persuasion, a few judicious alterations often can give you the present-day benefits most such houses lack—light, air and a pleasant new affinity with your outdoor surroundings. How do you go about accomplishing this? In most cases, you concentrate your attention on the main living areas. Small, cramped windows are replaced with large ones; or whole solid walls are removed in favor of new floor-to-ceiling glass panels. Naturally, a new glass wall must justify itself by providing a worthy view. Your view can be a natural vista or an intimate enclosed garden, but in either case it should be peaceful and private. Don't neglect comfort. Your new glass area should have shading devices to keep out-the hot summer sun, perimeter heating to keep you warm in winter. With vastly increased daylight in a glass-walled room, new night lighting—indoors and out—invariably needs to be added, too. In remodeling the Samuel H. Maslons' lakeside house in Deephaven, Minnesota, architect Ralph Rapson proved that new window walls can add a delightfully modern outlook to a 35-year-old house without compromising its style.

old english character was not basically changed by remodeling. To clear the way for new window walls, below, lower half of old brick bay was removed and end wall of living room was knocked out. Other major changes included a new dining room window wall, a new glass-walled alcove added to the living room (see plan). Finally, the former commonplace back yard was converted into a well shaped paved terrace which spans 44 feet outside the living and dining rooms.

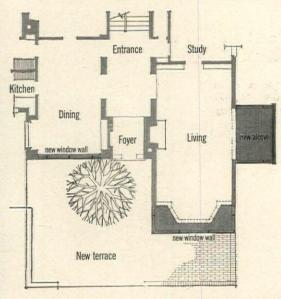
BEFORE















molishing the entire end wall of the room, the architect extended it by 6 feet with a glass bay, above, which affords a full half-circle view. Hot summer sun was combatted by two devices: sliding shoji screens and a wide roof overhang on all three sides. To withstand cold Minnesota winters, new heating was added at the base of all glass walls so that they can be blanketed with warm air. A steel girder was installed to support the second story brick bay, which was left intact. To conceal the beam, a new living room ceiling of acoustical plaster was applied, and, at the same time, a new series of ceiling fixtures was added—both for general lighting and for highlighting paintings and sculpture. A second major living room alteration involved removing a 10' section of the long side wall of the room and adding the conversation alcove, left, which has one glass wall on the end that faces toward the lake, and another glass wall at the opposite end.

BROAD, PRIVATE VISTA of trees and a lake could scarcely be seen through the pokey panes of the living room's original bay window. After de-

Continued

REMODELING





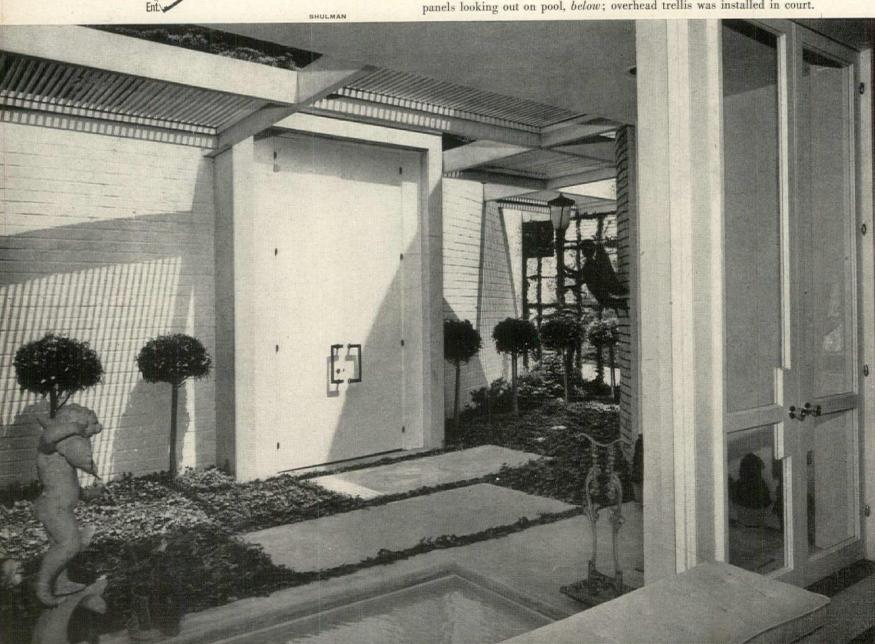


How to GIVE PRIVACY TO THE FRONT OF YOUR HOUSE

You can screen it with an entrance court

In suburban houses built thirty or forty years ago front porches and first floor windows faced the street because the outlook was pleasant, cars and passersby were few. Today, these houses (and some new ones, alas) need a screen to give them privacy from constant traffic. A fine solution, if your building code allows it, is a front wall and gate. They will shield the front door and windows and the land between can be a delightful entrance court, an area serving as a buffer to the street. These are what architects Harold Levitt and Ernest Le Duc added to the Martin Horrells' Los Angeles house, and they are wholly congenial to the style of the house.

NEW BRICK WALL with a double gate framed in marble was built 11' high along curving street line of property, above left. The gate has both a doorbell and inter-comm, is unlocked to callers by a control in the house. The original stone arches of the porch (SEE BEFORE) were removed without changing roof. Front door and adjoining windows were replaced with glass panels looking out on pool, below; overhead trellis was installed in court.



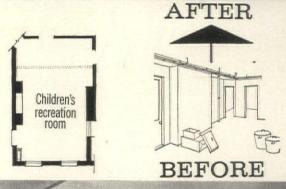


ROOM WAS LENGTHENED 5' by removing partition (dotted lines on plan). The chimney was opened and a fireplace built in it, using existing flue. Next step was concealment of heating and water pipes with a wall-board ceiling around perimeter of room; canvas, draped tent-like in center, permits access to pipes. Flush doors were installed; plaster walls patched, painted yellow; so were big cabinets left from basement kitchen days.

How to PUT YOUR BASEMENT TO BETTER USE

You can add a family room or playroom

The search for extra space is the compelling factor behind most remodeling. Yet in many houses space in the basement goes begging because there is a bugaboo that basements are damp, dark and undesirable. Today, however, an air conditioner, a fan and dehumidifier can cope with moisture and mustiness. And good lighting, new wall and floor surfacing materials, built-ins and a free hand with bright paint can create a basement room that is ideal for romping youngsters or teenagers. In Mr. and Mrs. Frank Taylor's big 1887 house in Greenwich, Connecticut, architect Spencer Johnson applied some of these devices in a playroom for four young boys. From what had once been a basement kitchen, then a dingy, pipe-festooned cellar, he fashioned a gay room that is fun for the children and saves wear and tear on the living rooms upstairs.





MAHOGANY PLATFORM WAS BUILT along two walls for seating and table top, and to hide gas and plumbing pipes. New ceiling lighting was installed with dimmer control. Vinyl asbestos tiles were laid over wood floor. Three windows supply daylight.

How to TURN AN EMPTY SHELL INTO A WONDERFUL HOUSE

Often an ugly structure can be converted into attractive living space

Any B for successful remodeling should include the intangible factor, imagination. It is the wonderful ability to see beneath the surface that can produce the best results in converting a sound but dull building, such as a barn, carriage house or garage, into a livable house. This Cambridge, Mass., house is a good example. Formerly a commercial garage, it was transformed with only one major change in the exteriora new glass wall. What the perceptive architect, Paul Rudolph, saw in the original building was the luxury of sheer, unencumbered space-3,000 square feet of it-enclosed in a sound shell. Steel trusses held up the roof so there was no tangle of inside walls to remove (in most remodeling you pay twiceto tear out and to replace). The interior was divided, by wallboard partitions, to meet the needs of a family of five: Mr. and Mrs. George McCandlish and their three small children. Two baths and six storage walls insulate the bedrooms from each other. But the delight of the house is the great central area—the living-dining room and 37-foot long indoor greenhouse which are separated only by a new fireplace and glass walls. Warmed by new radiant-heated terrazzo flooring, this huge space seems like an enclosed terrace. Outdoors, the house is screened from the street by a courtyard and fence.



PREVIOUS INCARNATION of house was a stone garage, above, 64' long x 52' deep. It stood, with big Victorian houses behind it, at a dead end of street. In remodeling, the long stone front wall with doors, windows and parapet was taken down and replaced by steel posts and beams to support roof trusses, and by the great glass panels and five glass doors that form new front wall. Two small windows and a plastic skylight were the only additions to the other stone walls and the roof. To shield rooms from view a high fence with an entrance gate was built along street line of property (see sketch, opposite page). Interior was divided into four bedrooms, two baths, a study and kitchenlaundry flanking a 37' x 37' living room, and a skylighted greenhouse.



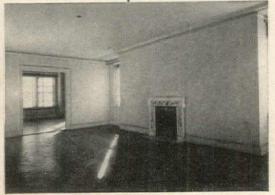








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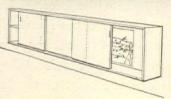
REMODELING

How to MAKE THE SPACE YOU HAVE MORE FLEXIBLE

A few large open areas are more adaptable than a series of box-like rooms







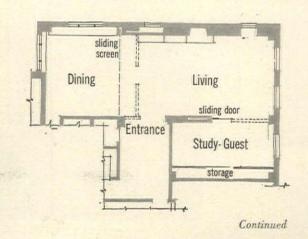
CONCEALED FIREPLACE AND STORAGE were incorporated in one ingenious wall-hung cabinet, *above*. After old mantel, *opposite page*, was stripped off, fireplace opening was made smaller by blocking in lower section to allow for raised hearth. Sliding doors close off fireplace when not in use (see sketch, *left*).

DRAMATIC NEW SPACE, bright and open, was the result of tearing down the wall between living and dining rooms (see BEFORE, opposite page), removing heavy cornices, enlarging windows on three walls, adding carefully-thought-out pattern of recessed lighting for Mr. Mitchell's fine art collection. In addition, a new study was created off far end of the living area, right, by removing long wall section and replacing it with solid sliding doors (see plan). In place of old living-dining cross wall, steel-framed screens of metal mesh were installed as a subtle divider. When screens are open, right, dining and living areas become one great space. When closed, back-lighting makes the screens almost opaque, provides privacy for dining area, left.



LEONARD

Space has its intriguing paradoxes. When divided by a series of walls it seems to shrink because you can use the rooms only for limited purposes—and only one at a time. The same space in a single room, on the other hand, often gives you surprising flexibility. In many older houses, an expendable partition or two can make the difference between a narrow, arbitrary living pattern and an open, highly versatile plan. Once you make the decision to tear down a wall, you can achieve flexibility in your new and larger room by means of visual boundaries that can be decorative and movable. Screens, furniture groupings, variations in lighting, planting and art objects—all these are your allies, just as they were designer Ward Bennett's in remodeling the New York home of Jan Mitchell, owner of Luchow's.



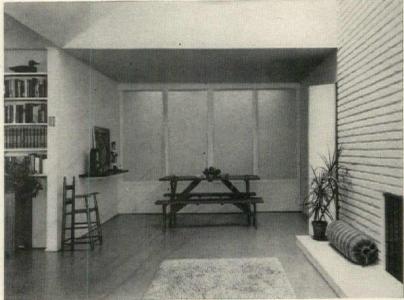
REMODELING

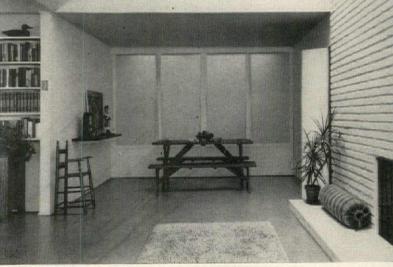
How to ENLARGE A DEVELOPMENT HOUSE

Adding space to the living room can also give you an entrance hall and a better dining area

Many houses built in real estate developments after World War II were inadequate in size and poorly planned. But a heartening number have now been remodeled into comfortable homes. What they lacked originally was space—a living room ample enough for family activities and entertaining, a clearly defined dining area, an entrance foyer to lead into the living room, a buffer area for the bedrooms. By enlarging the undersized living rooms (about the only place where general space can be added to these typical, builders' houses of 1,200 to 1,500 square feet is at the back or side of the living room) the whole plan becomes less cramped and more livable. The Long Island, N. Y., development house of the Marvin L. Sugarmans' is just such an enlargement. Designer Ward Bennett doubled their living room to 20 feet by 26 feet by including a rear porch which was already paved and roofed. When the living room was extended, the dining area became an independent ell with a new wall to screen the bedroom area, and a new entrance foyer was created and paved in brick.

IN DINING AREA four sliding panels of plastic, right, were installed to create a hall which would give privacy to the bedrooms. Attic stair (see BE-FORE) was torn out, increasing dining area. Shelves, at left of original stair, were removed and walls and ceilings painted white. Remodeling made the dining space a well defined area, not just an end of the living room. Ceiling in front of chimney was raised and a large skylight installed to admit light to center of room. Bookshelves opposite indicate place where 16' extension of living room starts.



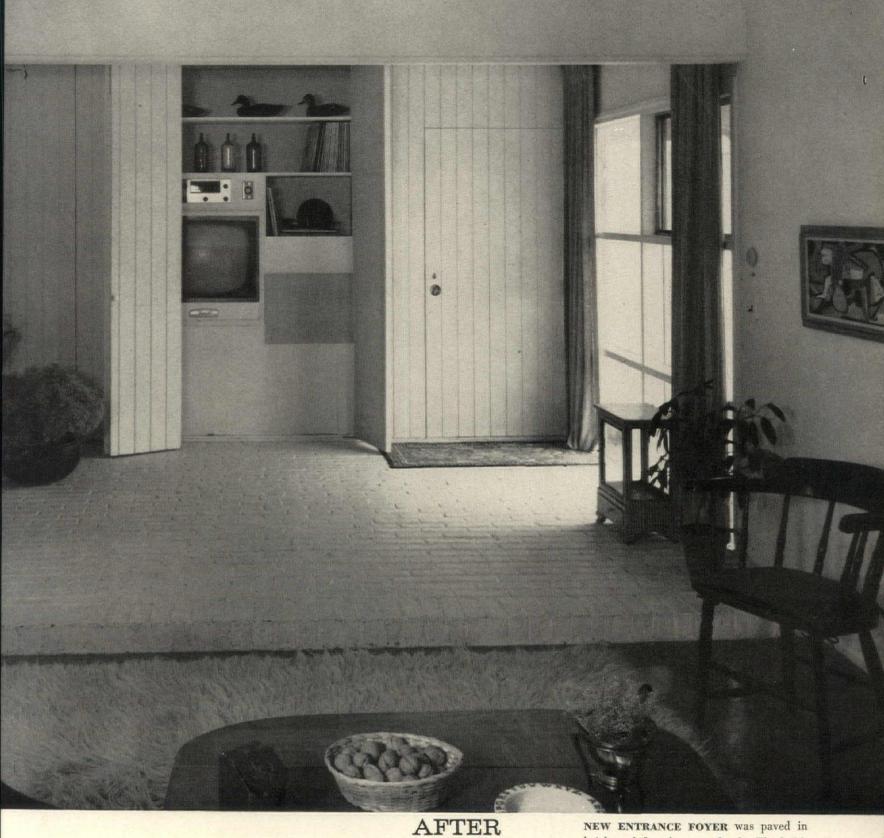






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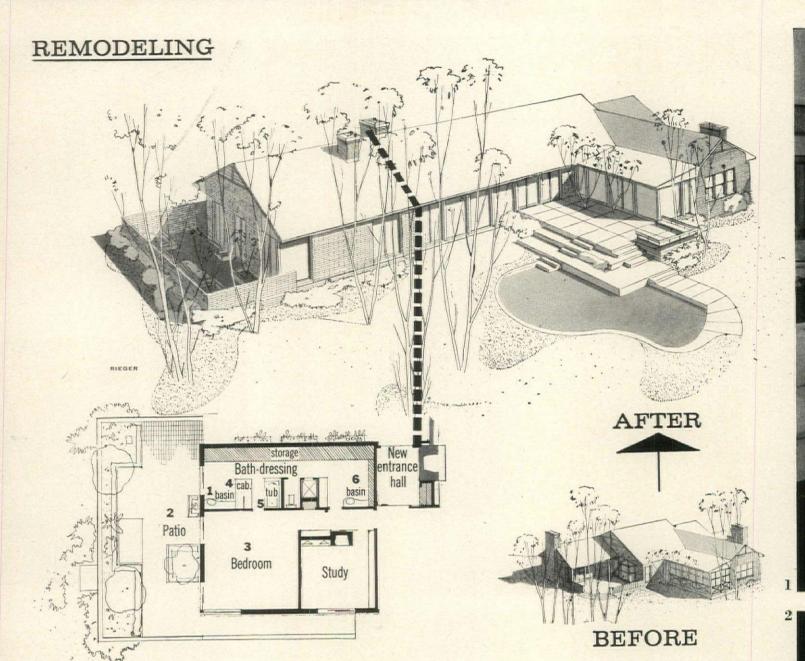




BEFORE

NEW ENTRANCE FOYER was paved in brick to define the area clearly. The brick is an extension of original narrow fireplace hearth (see BEFORE). Bar next to fireplace was replaced by brick wall, at left, above, pierced to let light into kitchen adjoining. Wood boarding, painted white, was applied to front wall and front door, at right, above, and was used for folding doors of new hi fi-TV cabinet in existing closet.

LIVING ROOM was extended 12' to 16' and new brick wall, bottom, opposite page, was built at end. (Dotted lines in center of living area on plan indicate original outside wall of room.) On adjoining, south side, a window wall was installed. New asphalt tile was applied to floor of the whole room.



How to ADD A BEDROOM AND BATH

One solution is a self-contained wing

One of the puzzles that may confront you when you need an extra bedroom is how to join it to the section of your house where it would be most convenient. Obviously, you can build on a new room only where the size of your lot allows for expansion. But if the only place available is next to the living room and your need is for another bedroom for a child, you may feel caught in a dilemma. Sometimes it can be solved, however, by adding not one bedroom but an independent sleeping-dressing-relaxing wing for yourself and your spouse and turning over your present bedroom to another member of the family. A self-sufficient wing is apt to be more easily related to the rest of the house than a single room. And it is also possible to integrate a new wing with a new and completely secluded outdoor area as architect Enslie O. Oglesby Jr. did when he expanded Mr. and Mrs. Ethan Stroud's house in Dallas, Texas. By locating their suite at the living room end of the house, the Strouds were freer to plan exactly what they wanted.

A NEW WING containing a bedroom, a study and a large bath-dressing room, all looking out on an enclosed patio, was added to the living room end of the Strouds' house. In order to do it, they demolished the brick wall at the end of the living room (see BEFORE) but retained the fireplace and chimney. The roof of the living room was raised and the new wing was joined to it with a common ridge. A new entrance to the house forms a link between the living room and the new suite (see plan). The new private patio (2), opposite page, is enclosed by a brick wall and the Strouds can step outdoors through sliding glass doors from their bedroom (3) or from one end of the dressing room (1). Copious storage facilities are one of the luxuries included with the new suite. An intricately compartmented cabinet with drawers (4) for Mrs. Stroud serves as a divider at her end of dressing room. Near Mr. Stroud's lavatory (6) are cabinets with concealed trays for shirts, hose and shoes, plus a medicine chest and a drop for soiled linens. The entire bath-dressing room has terrazzo floors. The countertops are of beige marble which also sheathes the walls behind the tub (5) and shower.

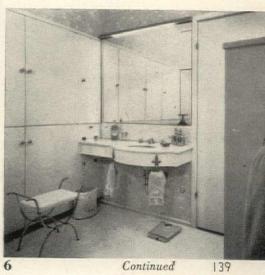












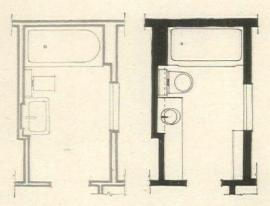
HOUSE & GARDEN, APRIL, 1960

Continued

How to BRING AN OLD BATHROOM UP TO DATE

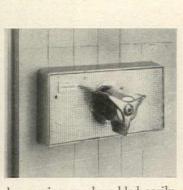
The key to economy is sensible planning plus fine quality materials

If you are going to the trouble of remodeling a bathroom, it makes little sense to skimp on the quality of the materials, but there are several other ways you can save money. First, plan if possible to fit new fixtures to the existing plumbing pipes and vents, for new piping will bite deep into your budget. Try to utilize the existing electrical wiring for illuminated medicine cabinets and shaver outlets as well as for overhead lighting. Do not arbitrarily replace old doors and window frames-you may be able to refinish them. And do not tamper with the existing walls of the room if you can avoid it. To build out from an existing wall is cheaper than to break into it. You can save on your wall and floor coverings too if you enclose your tub and shower to reduce splashing and cut down on the amount of waterproof materials needed. All these economy measures are demonstrated in this 6-foot by 9-foot bathroom which was remodeled by House & Garden to show that you can cut costs without sacrificing quality.



NEW FIXTURES in remodeled bath, above right, are in same spots as fixtures in old bath, above left.





without skyrocketing the cost of the remodeling. The shaving center, above left, was a ready-to-paint cabinet bought at a local department store. Cabinet was mounted on the wall, painted, topped with a plastic-covered shelf. A hole was cut in the back of the cabinet to expose an existing wall outlet for the electric razor. Thermostatic shower control, above right, automatically protects the bather against bursts of hot or cold water because temperature fluctuations are immediately sensed and corrected. Mirrors on facing walls, center of page, increase the apparent width of the narrow room.







BEFORE

FIXTURES BY UNIVERSAL-RUNDLE; PANELYTE COUNTERTOP; KENTILE VINYL PLANKS; SHOWER ENCLOSURE BY SHOWER DOOR CO. OF AMERICA: HALL-MACK MEDICINE CABINET, TOWEL BARS; POWERS SHOWER REGULATOR. PHOTOGRAPHS BY ANDRÉ KERTESZ



COUNTER SPACE, almost non-existent in old bath, was built along formerly unused wall and free-standing cabinet lavatory was replaced by recessed basin. Storage in cabinets under counter was augmented by new medicine cabinet, twice the size of the old one. Wall and ceiling around tub were furred out, faced with ceramic tile; sliding glass shower door was installed. Strong bamboo lattice pattern of new wallpaper unifies room broken up by door, window and fixtures.

Practical tips for successful remodeling

To plan wisely and save yourself money you should know the answers to these questions

What do I need to know about my house?

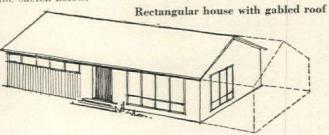
Everything you can find out. If possible you should have a full set of blueprints which will provide accurate information on the dimensions of rooms, the thickness of walls, the sizes of rafters, floor and ceiling joists, the location of heating, wiring and plumbing and also the materials, both seen and unseen, used throughout the house. You can get blueprints from the original architect or builder. If you do not know who designed or built your house, get in touch with your local building department which should have plans on file for all houses built in your area. If this source fails, it would be wise to hire a professional to draw up a set of plans and supplement it with a report on existing structural conditions. Armed with all the facts, you can work out a sensible remodeling plan that will follow closely the existing structural pattern of the house. Avoid tampering with walls at random since that often leads to costly reframing.

Which walls is it safe to tear down?

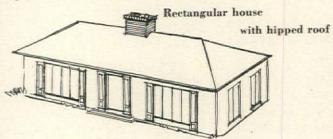
Non-bearing partitions. There are two types of walls in a house: load-bearing walls that actually support the structure and non-bearing partitions that simply divide one part of the house from another. Partitions may be removed without weakening the house, but load-bearing walls, since they are structural, cannot be changed as easily. Since both types of walls look alike, here are some rules-of-thumb that will show you which is which.

In a rectangular house with a gabled roof, the long exterior walls support the roof, and the major interior walls running

parallel to them support the ceiling. If you can avoid altering these walls, your remodeling costs will be lower. The short, exterior end walls and the partitions parallel to the end walls are usually non-supporting and can be altered or even removed without extensive reconstruction. The most economical direction in which to expand such a home is indicated by dotted lines in the sketch below.

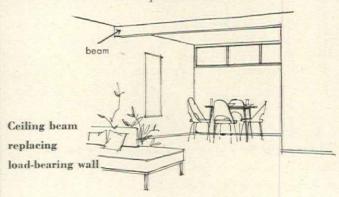


If your house has a hipped roof, all exterior walls support the roof, but the interior walls parallel to the shorter exterior walls will as a rule be non-bearing partitions. To build a wing onto any side of a house with a hipped roof like the one below will require some reframing in the existing house.



Is it ever possible to remove a load-bearing wall?

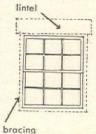
Yes—if you replace the wall by a supporting beam at the ceiling. The beam can be either steel or wood. The ceiling beam in the sketch, below, was put in place to support the roof when a load-bearing wall between living room and dining room was removed to create a more spacious effect.



Is it always safe to remove a non-bearing partition?

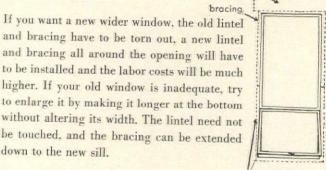
No, not always. Any wall, non-bearing or otherwise, that contains important heating, plumbing or electrical connections should be left intact. If the wall were removed, the utility systems affected would require complete re-designing, involving a great deal more expense than the cost of tearing down the wall. This is another good reason why you and your architect or builder should know as much as possible about your house before you start making your plans for remodeling it.

Is it very expensive to put in a new window?



Not if you merely replace an old window with a new one of the same size. As long as the existing lintel (which supports the wall and roof above) and the bracing (which is hidden in the wall around the sides of the window) are left in place, your only expense will be for the labor of removing the old window and installing the new.

New window replacing one of same size



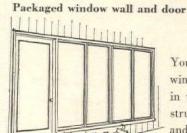
New window of same width but longer

Is there any way to cut the cost of enlarging a window?

Yes, by taking advantage of the packaged windows which greatly reduce installation costs. Today you can buy a bow window that comes complete with its own roof and fancifully carved support. All the wood pieces are pre-cut. When the carton

arrives the sections are put together and the window installed quickly.

New packaged bow window

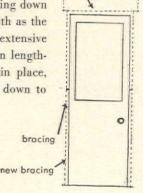


You can also buy a packaged window-wall-door-combination in various sizes. All trim and structural supports are pre-cut and ready to be assembled as soon as the package arrives.

Where is the best place to put a new exterior door?

Wherever you have a window. By removing the window and extending the opening down to floor level, a door (the same width as the window) can be installed without extensive alterations of the outside wall. As in lengthening a window, the lintel is left in place, and the new side bracing brought down to reinforce the larger opening.

Outside door replacing window of same width

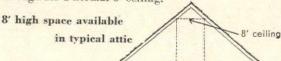


What is the best use for a remodeled attic?

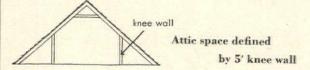
As a bedroom, a study, or for any other quiet activity. Don't plan to put a workshop with power tools in the attic—or a laundry with heavy fixtures and appliances. The floor might have to be braced to hold their weight, and the motors might set up vibrations throughout the house.

How much of the space in an attic is usable?

Less than you think. At first glance an unfinished attic presents a grand vista of future room for living. But as you can see by the cross-section sketch, *below*, of a typical attic, only a small area is high enough for a normal 8' ceiling.



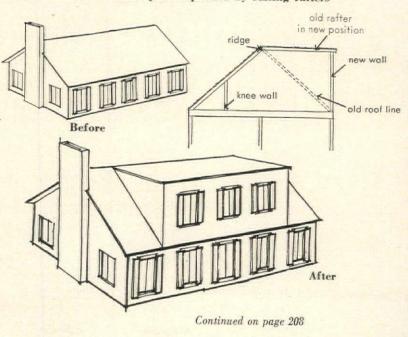
If the attic is to be finished as one large room, however, the ceiling need not be 8' high throughout. Short, 5' "knee" walls installed along the sides will extend the floor area and still provide ample head room for anyone sitting at a desk or on a bed placed against the walls under the eaves. Space less than 5' is useless except for storage.



Is there a way to increase headroom in an attic?

You can raise the roof. This is simpler and less expensive than it sounds. First, the roofing is removed and the rafters loosened at the base of the attic and at the ridge. Next the rafters are lifted up and held in their new position until a wall can be built to support them. They are attached to the top of the new wall and re-attached to the ridge. Finally the original roofing is put back in place. The only new materials needed are the framing members, finished siding and windows for the new wall. Experienced construction men have been known to complete a job of this type in one day.

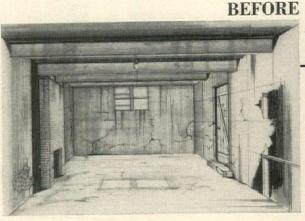
Attic space expanded by raising rafters



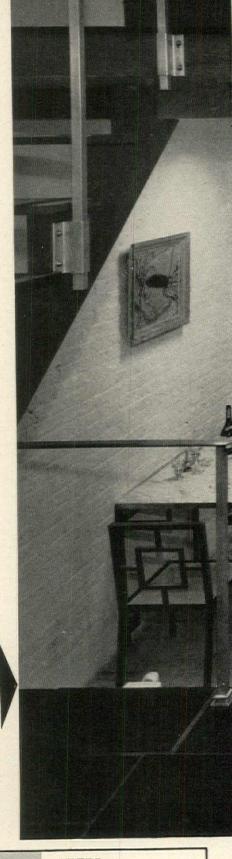
The best times to remodel a kitchen

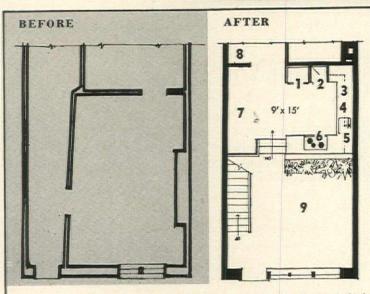
Kitchens, unlike automobiles, do not become obsolescent the minute a new "dream" hits the market. The time to change your kitchen is when your needs change—when you move or when your family living has outstripped your facilities. Assessing your new needs realistically will save you money. If you have always been irked by an awkwardly placed range or refrigerator, or if you are desperate for more storage space, by all means revamp your floor plan. On the other hand, if working in your present kitchen is second nature to you, why alter this arrangement? You may need to do no more than replace worn-out equipment and simplify maintenance with new sleek surfaces. Kitchen remodeling, though expensive, has been made easier by the standardization of cabinet and equipment sizes. You'll find it pays, however, to enlist the services of a kitchen designer or planner who keeps files of the latest materials, techniques and equipment and who can tailor a kitchen to suit your particular needs. Here and on the following pages you'll find four kitchens which were remodeled at opportune times for four good reasons.

1. When you remodel a house

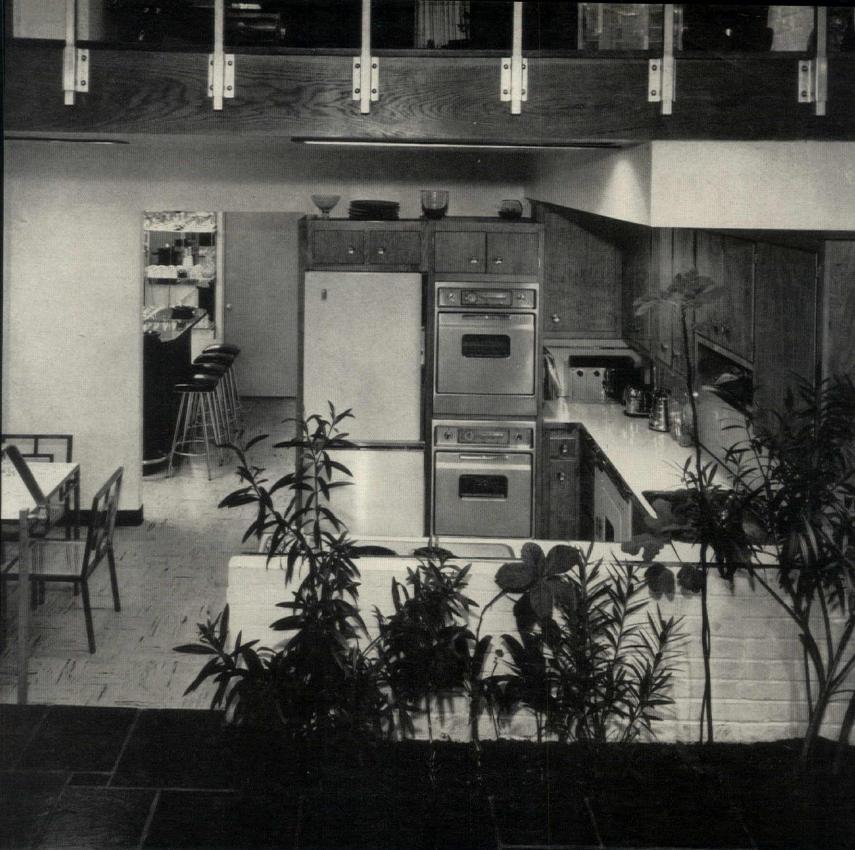


In many old-house remodeling projects, a kitchen must be fitted in where none existed before. For instance, so much of the interior of Mr. Ruel Hook's New York City brownstone had to be demolished that the house became a mere shell, just 15' wide. So the architect decided to convert the dark cramped cellar into a kitchen that would serve the living areas of a triplex apartment and help Mr. Hook to entertain easily and informally. Part of the first floor and part of the back wall of the house were removed and a modern stairway and 15' x 15' picture window were added, creating space, light and a view for an inviting interior kitchen.





In new kitchen: 1. Refrigerator 2. Wall ovens 3. Washer-dryer 4. Sink 5. Dishwasher 6. Cooking top 7. Dining area 8. Bar 9. Garden room



GUERRERO

NEWLY CREATED KITCHEN is two feet below twostory-high, flagstone-paved garden room which is at original basement level and opens to the outdoors. From the first floor you reach kitchen by decorative open stairway with steel balustrade, top of page. To increase impression of light, space and simplicity, the strippeddown brick walls of the old cellar were painted white. The whole background of the new kitchen is neutral: natural birch cabinets, white and stainless steel equipment, white Formica countertops flecked with gold and silver, marbleized white vinyl tile floor. U-shaped layout, above, and right, of refrigerator, ovens, washer-dryer, sink, dishwasher and cooking top, saves steps and space, frees opposite wall for table and chairs. Beyond cooking center is the bar. Recessed ceiling lights, strip lights and ventilating fan under cabinets keep the kitchen bright and airy. Plants growing at ground level in garden room carry the eye up, out through window, right, to garden. Architect: Serge Klein. All G. E. equipment.

Shopping information, see page 191



HOUSE & GARDEN, APRIL, 1960

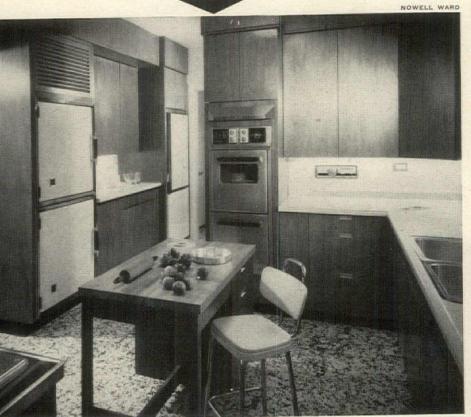
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2. When your family needs change

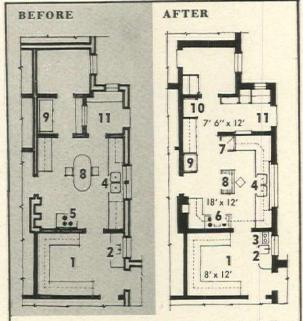
Intensive use soon reveals a kitchen's inadequacies, as Mr. and Mrs. Joseph M. Brickman discovered in their house in Chicago. The family includes three adults and three boys, and they entertain often and on a large scale. Mrs. Brickman and kitchen designer Paul Decker recognized that the main work area had to be

kept free of traffic and that additional facilities were needed for preparing impromptu off-hour meals or individual courses for big parties. This was achieved with a minimum of structural change, proving that half the battle in remodeling is early and careful evaluation of the purpose of equipment.





L-SHAPED WORK CENTER, above, was created by closing door from entry (see BEFORE), installing continuous counter, wall ovens. At left of ovens is route to old pantry, now part of entry, where canned goods are stored. Mobile chopping block table replaces kitchen table, can be used for sitdown jobs, carving, extra work counter. Enlarged window over sink. right, and 2' square luminous ceiling fixture flood work center with light. Adjoining serving pantry (see page 181) is equipped to serve as second kitchen. Shopping information, page 191



In both kitchens: 1. Serving pantry 2. Sink 3. New foldaway burners 4. Kitchen sinks 5. Old range 6. New cooking top 7. New wall ovens 8. Table 9. Refrigerators 10. New freezer 11. Rear entry (incorporating old pantry)

REFRIGERATOR-FREEZER WALL, opposite, keeps its steadiest users-the three Brickman boys-away from the work center. Part of pantry wall had to be removed to permit this new lineup of equipment (see plan). Counter at the right is receiving port for packages, groceries. Soft drinks are stored below. Finishes on background and equipment make for a crisp, unfussy effect. Appliances are white or stainless steel; countertops are white; vinyl tile floor is off-white and gold. The cabinets, of walnut with a frost-tone finish, have touch latches on doors, recessed aluminum pulls on drawers.



Continued

HOUSE & GARDEN, APRIL, 1960

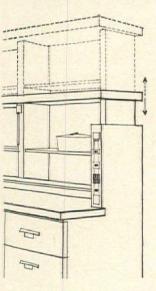






storage space in old kitchen, left, consisted of clumsy old-fashioned wood cabinets which stretched from floor to ceiling. New solution provides trim modern cabinets, including an elevator cabinet with electric controls, above and right, which can rise to height of door or drop to line up with top of control panel. Above cabinet, a decorative print is mounted flush with wall (see opposite page) so that elevator section can rise in front of it. Bad surface of old kitchen walls is sealed and smoothed by a vinyl covering simulating wood grain that is hung like wallpaper and flexible enough to go around corners. In pantry and breakfast room, a pale green vinyl is used. The wall coverings can be washed with soap and water. In contrast to dark tones of cabinets, countertops are white Textolite flecked with gold. Kitchen accessories in fruit colors—H&G's Tangerine and Lemon Peel—provide sharp accents. Floor is covered in pale green, beige and brown terrazzo-patterned vinyl which visually unites all areas.

Shopping information, page 191



BEFORE



3. When wall space is broken up

Most kitchens over thirty years old are victims of the tortured shape. Their crazy jogs, profusion of doors, and chewed-up wall space can be the despair of anyone who wants to remodel these white elephants, for extensive structural changes play havoc with the budget.

One solution is to work around the obstacles you can't eliminate, minimizing their disadvantages by skillful arrangements of equipment and use of color. The biggest problem in

In both kitchens: 1. Dining room 2. Pantry-bar 3. Breakfast room 4. New planning desk 5. Sink 6. New dishwasher 7. Refrigerator 8. Range 9. New laundry equipment 10. New elevator cabinet

Mr. and Mrs. Perry L. Ruston's kitchen in Bronxville, N. Y., was its five doors. It still has five doors but when it was remodeled by House & Garden in cooperation with General Electric, one of the doors was relocated to give a much-needed direct route to the dining room. Other changes were addition of laundry equipment, relocation of refrigerator, enlargement of window in breakfast room which the Rustons and their 19-year-old son use for family snacks. Over-all modernization was achieved by means of new equipment, cabinets, wall covering and a color scheme which tied the whole together.

BEFORE



COOKING FACILITIES were minimal in the old kitchen, above, with no storage or work space by range. New arrangement, left, made room for a large electric range with double oven plus a countertop-cabinet for tools and pans. Stainless steel hood and ventilator has lights inside which beam down on work area. Wood-tone brown finish of range and other major equipment blends with cabinets and wall and minimizes bulk of big pieces.

Continued



THE BEST TIMES TO REMODEL A KITCHEN: WHEN WALL SPACE IS BROKEN UP continued







Shopping information, page 191



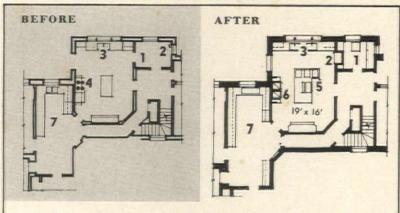
BREAKFAST ROOM AND PLANNING CENTER was originally a dark unattractive space, above left, between kitchen and butler's pantry. In remodeling, the old cabinets and refrigerator were removed and the window in the wall opposite was enlarged to bring in light and a view of the garden. Along the wall between the door to the kitchen, above, and doorway to the pantry, left, new cabinets and a Textolite counter were installed to serve as a planning desk or a buffet. A cork board mounted on the wall above one end of the counter, left, makes a convenient place to pin up lists and messages. The mobile stool may be raised or lowered by twirling the seat, and easily rolled back and forth between planning desk and kitchen. The walls of the breakfast room were covered with a light jade green vinyl that simulates silk, and botanical prints brighten the dining area opposite the planning center. The old-fashioned pantry, visible through doorway, left, was converted into a bar. The old sink and cabinets were left in place, painted to blend with walls, fitted with hardware and countertops like those in kitchen. The new refrigerator was placed in a more logical spot: in the kitchen, above and opposite page, near range and sink. In the narrow hallway beyond, connecting kitchen with cellar, old closets were removed to make space for a washer-dryer and cabinets. G. E. equipment, cabinets. Remodeling installation by Bette Sanford, Kitchen Designer.





4. When your kitchen needs updating

In a kitchen that has served you well, you naturally hesitate to sacrifice the charm of the old for the functionalism of the new. Architects Yerkes and Grunsfeld adroitly avoided this



In both kitchens: 1. Cold storage pantry 2. Refrigerators 3. Sinks 4. Old range 5. Island with new gas burners 6. New wall ovens 7. Serving pantry

L. Strauss's family home in Glencoe, Illinois, for the younger generation—Mr. Strauss, his wife and baby son. While the architects increased the efficiency of the kitchen 100 per cent, they kept many of the features which gave it individuality. The old Delft tiles relieve the newness of stainless steel. Existing wood wall cabinets, casement windows and doors were painted blue to match new wood base cabinets. And old

favorites were transformed into their modern counterparts: the kitchen table became a work island; the range was replaced by two wall ovens and six drop-in cooking units.

BEFORE



ROMANTIC COLOR SCHEME of remodeled kitchen, opposite, was inspired by Delft tiles from niche where old range stood, above. Now the salvaged tiles make a back splash for the new double sinks and countertop under the window, and outline the wall ovens that filled in the range niche. A new ventilating system installed in the old hood eliminates all kitchen odors. Old wall cabinets flanking windows over sink were fitted with new hardware and painted to match the new modern base cabinets. White vinyl tile with blue flecks covers the floor. An innovation quite in keeping with the traditional air of the kitchen is the center island, roomy enough for canning fruit from the Strauss's orchard. Three appliance outlets are conveniently located at one end of the raised spice shelf in the center of the island top. Beneath the maple chopping block section there is knee space so the island can also be used for sitdown tasks or planning desk (menu files are in drawers at right). In nearby serving pantry, right, the new refrigerator has on tap filtered drinking water which is iced by passing over cooling coils. For shopping information, see page 191

COOKING ISLAND, above, an efficient replacement for the old kitchen table, is pivot of kitchen, midway between wall ovens and refrigerators. The latter were built into one of the doorways of cold storage pantry where the old refrigerator had been housed. Island has special storage for cooking utensils and food. At one end, below right, cooking units are set into an insulated mosaic tile countertop that withstands hot pans. Drawers hold tools.







The shape of shade to come

Aluminum forms and patterns forecast a fresh approach to nature

Sitting under a tree is only one way to keep the sun out of your eyes. Another way is to sit under a lacy canopy of polychrome aluminum mesh. This is what landscape architect Garrett Eckbo decided to do when the Aluminum Company of America commissioned him to design a "forecast garden" that would exploit in every pleasant and practical way the versatility of its product. You may well be following his lead yourself some not too distant summer: first, because the problem of too much sun is one that has plagued a great many home owners besides Mr. Eckbo; second, because the aluminum components that he has adapted to provide shade on his own living patio are standard structural fabrications. They are the sheets, panels, rods, channels, meshes and miscellaneous extrusions, including moldings and thresholds, that are made to serve a hundred uses. There is more, of course, to this metallic garden than just the terrace roof you see here. The remodeled site includes as well a redwood and aluminum pavilion in brown, silver and gold and a fanciful flower-form fountain (see next page). These richly imaginative elements have gleaming, durable, maintenance-free finishes of brilliant enamel or anodized silver, bronze and gold. Best of all, they harmonize pleasantly with the house and with the natural forms and textures of fine plants that are fundamental to any really satisfying design for outdoor living.

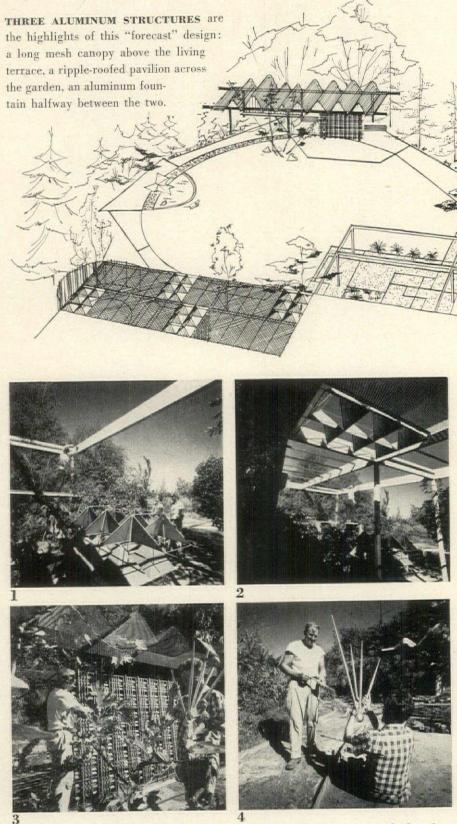


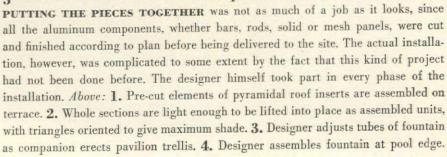
FROM PARBOILED PATIO TO PLEASANT PORCH in one move: this is the transformation you can achieve with standard aluminum forms plus nonstandard imagination and skill. The original patio and terrace, above, sizzled all morning in the Southern California sun. Worse still, the house was a glass oven as long as the sun fell on its windows. No one knew this better than Mr. Eckbo, since he lived there. So when he was asked to design an Alcoa "forecast" project, he had the best possible inspiration—the desire to make his own back yard livable. He had a good headstart in the design of the existing paved areas in which redwood strips set off pebbled concrete and polychrome tile inlays, and in his pleasantly planted grounds. To achieve his primary goal of subduing but not excluding the sunlight overhead, he extended the simple wood framing of the house itself to support and accommodate a variety of aluminum components, opposite page. He varied mesh units with assemblies of triangular panels arranged in open pyramids both to make and to project an intricate pattern of light and shade. The metal itself is anodized in tones of gold and brown. The designer repeated these tones in the curved fence of aluminum panels that encloses far end of terrace serving his studio. Vertical mesh screen in center of terrace obscures view of living portion from studio end, right.

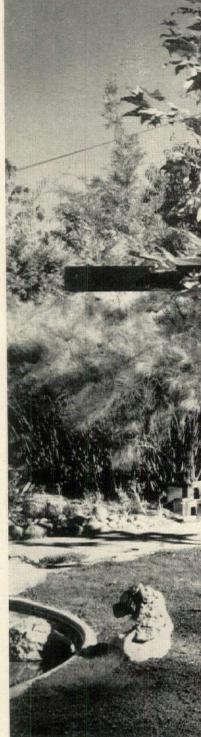


HOUSE & GARDEN, APRIL, 1960

Metal adorns the garden

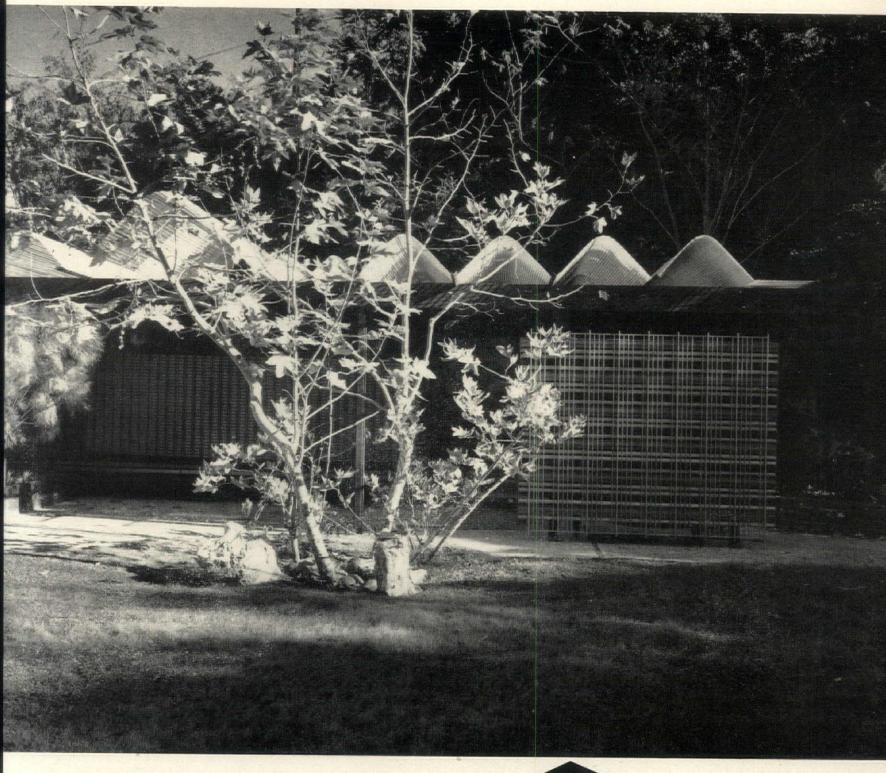






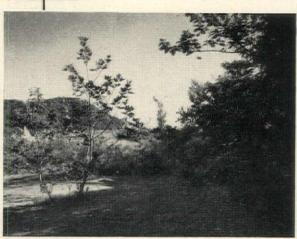






AIRY ALUMINUM PAVILION not only invites relaxation across the garden from the house, but is an important decorative element in the whole landscape scene. The rippling aluminum roof is of a more open mesh than the terrace cover (page 154) since less shade is required in the lee of trees and sheltering rim of hills. The roof vaults, in natural aluminum finish, vary subtly in width, with the widest span arching over the principal sitting area. The trellis across the front of the pavilion is made up of a gold anodized miscellany of pressed and extruded sections assembled on the job. The screen across the back is a special Alcoa fence pattern. Against it a long bench of 2" x 3" redwood strips hangs on aluminum brackets. The clump of California sycamores that looked so forlorn in the original garden, right, forms a pretty contrast to the modern lines of the pavilion itself.

FANCIFUL FOUNTAIN, opposite page, serves the practical purpose of linking the house and the pavilion with a common focal point. It also reflects the designer's personal interest in plants and plant forms. The fountain is really a huge stylized blossom. The petals are blue-enameled solid aluminum sheets welded together and mounted on an aluminum base. Tapered tubes in the center represent stamens, serve as water jets to splash water into metal chalice beneath. This in turn spills over into shallow concrete pool. (Designer's studio is beyond pool.) Pebbled concrete paths, marked off with redwood strips and containing aggregates that differ in color, texture and composition, encircle garden, leading from house to pool to pavilion and back.



BEFORE

VINTAGE '59

When a truly great wine year comes along, the connoisseurs sound the advance news. But the ordinary wine lover can be just as prompt in savoring the fruits of a memorable vintage.

The year 1959 promises to yield some of the greatest wines in Europe's history. In nearly every important region where grapes are grown, the reports range from tremendously enthusiastic to wildly ecstatic. Red wines, white wines, ordinary table varieties and connoisseur's rarities—nearly all are being pronounced as very good, truly outstanding or simply the finest ever.

A Burgundy grower, Henri Georges, who has spent all his 71 years surrounded by the vineyards of Nuits St. Georges, reports that never in his life has he seen such a harvest. The quality is so high that even wines from lesser vineyards are unbelievably good—fruity and soft. Other experts, especially the shrewd dealers from all over the world, agree heartily. Last November 15, the annual auction of the new Burgundy wines took place at the Hospice de Beaune. This auction is a trendsetter for the entire French vintage, since the prices dealers are willing to pay suggest its over-all quality. The bids for the 1959s were almost incredible.

Naturally, the final test must wait until the wines have reached maturity. So why report on them now? For good reason: When a vintage promises to be as great as this one does, the wines are bought quickly; there is never enough to supply everyone. Many of these wines are being bottled and shipped now and will be on the American market within the next few weeks. Whites are usually best when young, some when less than a year old. Most of the reds, certainly the "greats," need maturing, of course. But what matters most is the assurance that you can buy the superb 1959s whenever they are ready. So now is the time to make arrangements with your wine dealer to set aside for you the wines that will be arriving almost immediately, and to reserve the reds that will come along later. Because wine prices are governed by quality and supply, you will never buy the 1959s more reasonably than today, before the first bottle has been consumed.

What made 1959 a banner year? Primarily a rare set of circumstances peculiarly beneficent to wine culture. As you may know, wine grapes grow best in poor soil that is unsuitable for any other crop. Many outstanding European vineyards are planted in rocky areas on hillsides so steep that one wonders how anything could cling there and take root. It seems as if the vines need to overcome some challenge to reach their peak. They also need the challenge of weather, for the more northern areas with frostier winters tend to produce the best wines.

Nevertheless, the vines do need the cooperation of good weather at the time the grapes are developing and ripening. They need to be frost free after they begin to bud in the spring. They need plenty of warm summer sun and just the right amount of moisture at the right period. If the summer is rainy, they will miss



KASPER

Last summer, Europe's vineyards enjoyed an all-time great season. '59 wines promise to be memorable, so be smart—order yours now By JAMES A. BEARD

the sun. And when harvest time nears, rain may become a dangerous enemy. As the grapes ripen, tiny, delicate fungi called saccharomycetes form on the skins. These fungi are very important in the production of wine; they create the fermentation. If rain comes before harvest, it washes away the saccharomycetes, and the wine will suffer in quality.

Last year, Europe had the good fortune to be blessed with a perfect summer and fall. As the months went by, the vintners grew more and more excited. Not until harvests were completed could they be sure. But with few exceptions (the Rhône Valley and nearby Piedmont district in Italy had too much rain) the vintner's good luck held. In Burgundy, 1959s may well prove to be the greatest of all. In Germany, Alsace, the Champagne region and parts of Bordeaux they are magnificent, and in some regions of Italy much above average.

Here is a detailed account, assembled with the able assistance of Mr. Sam Aaron of Sherry Wine and Spirits in New York:

BURGUNDY: Reds should surpass the famed 1929s. The region's historians go back to the 1875 vintage for comparable quality. Expect good balance—beautiful color, rich in body, fine bouquet. Best of all, the harvest is the largest ever recorded. Special note: Lesser (but excellent) Burgundies are due for shipment to the U.S. in 1961 and will be ready to drink soon after.

White Burgundies are outstanding: full-bodied, on a par with—perhaps better than—the 1947s and 1952s. Unusually warm, sunny weather will make some whites high in alcohol and low in acid. They may be short-lived, so drink them young.

BORDEAUX: Best of the 1959 vintage will come from Médoc and Graves districts and will be exceptional. Even wines of lesser vineyards will be of top quality. Their delicacy is likened to the great 1929s, but they will mature fast. In fact, the 1959s will be ready to drink before the 1957s. Quality in St. Emilion and Pomerol districts is not quite up to Médoc, due to heavy preharvest rains, but these wines too are excellent. Sad note: The Bordeaux crop was small, so fine 1959 clarets will be scarce.

ALSACE: If you think of Alsatian wines as being very light and simple, you may be in for a surprise. 1959 was a very great year, ranking with 1904, 1911, 1921, 1937 and 1945. The surprise will come when you discover this vintage is full-bodied and round, approaching the quality of the German whites.

LOIRE VALLEY: The Anjou area, around the mouth of the Loire River, sends the happiest of news, especially if you are a lover of that delightful white wine, Muscadet. You'll find the 1959 vintage the best you have ever tasted. What's more, it is ready to drink now. The upper Loire Valley had a small but excellent crop. If you like the charming wines of this area—the

Pouilly Fumé, the Sancerre and the Quincy-order them early.

POUILLY FUISSÉ: This region, a next-door neighbor to Beaujolais, produced a vintage that should compare with the exceptionally good 1952 Pouilly Fuissés. You can start looking for it later this year.

CHAMPAGNE: After a three-year run of bad luck, Champagne producers are elated. The most optimistic of them think the 1959 vintage may attain the greatness of the famous 1893 Champagnes. Certainly, the 1959s will resemble the 1947s: full-bodied, high in alcohol and heady.

GERMANY: No mistaking the 1959s; they are truly great, probably better than the 1953s and the 1949s, perhaps as good as the fondly remembered 1921s. The 1959s are big wines, high in alcohol, and promise to develop a rich bouquet. Even simple, inexpensive regional wines will be very good. Ordinarily, sugar must be added to these lesser wines, but over 90 per cent of the 1959 vintage has adequate natural sweetness. A word of warning: Germans like their wines a bit heavy and sweet; in "great" years, leading Rhine wines and some of the Moselles are quite rich. If you prefer a lighter, dryer wine, you will be happier with the lesser German vintages—the 1957s and '58s. On the other hand, German-wine lovers who were delighted with the '53s can look forward to the new vintage. You will begin to see it on the market in about two years.

ITALY: Most of the news is good. From the region around Verona, the vintage was first-rate. The 1959 Valpolicellos, Bardolinos and Soaves seem likely to be the best of the past two decades. In Chianti, too, the vintage is well above average and the 1959s will be delightful.

Only a miracle could produce a vintage year without a few local disappointments. There were several in 1959. From Beaujolais, which supplies the gay red wine so often served en carafe in Parisian restaurants, the reports on the 1959 vintage are spotty. Some wines are excellent, others middling to poor. Buy your Beaujolais with care, choosing only those 1959s bottled by leading growers and vintners. The Rhône Valley suffered heavy rains during August and September. This misfortune will deprive the usually robust red wines of Côtes du Rhône of their distinctive "burnt" taste. Some of the 1959 vintage will be pleasant to drink, of course, but expect nothing exceptional. The opposite hazard—a long drought—seriously damaged crops in the Vouvray area of the Loire Valley, and the vintage will be too high in alcohol, too full-bodied, almost coarse.

But these disappointments are so few and scattered that they actually prove the amazing caliber of 1959. It will be a vintage year to remember. It is a great vintage to look forward to.

LATE BULLETIN ON

The new leisure furniture

With the summer only weeks away, a new bumper crop of gay and carefree furniture is ready and waiting to refresh your rooms as the season changes or to brighten the porch, the terrace and the garden. You'll find a new airy lattice look in this year's designs... new value in the durable finishes and sturdy fabrics that fairly thrive on inclement weather... new versatility in tables, chairs and benches that love the outdoors but will follow you happily indoors at season's end to take up residence in a child's room, a family room or a lighthearted dining room. Assembled herewith are the highlights of the 1960 collections.



THE NEWS IS:

1 A MOLDED FIBER GLASS SEAT in a comfortable form-fitting chair with a durable wrought iron frame that comes in fourteen colors. Round coffee table beside it has incised zodiac motifs on its aluminum top, leaf designs on pedestal base. Birdcage is wrought iron, thoughtfully painted non-toxic white. Molla.

2 REDWOOD SLIMMED DOWN in a gracefully shaped garden bench that proves the wood long known for its resistance to weather can be light in appearance as well as sturdy. The contoured back and seat are laced with black and white plastic webbing; the iron frames are painted white. Shaver Howard.

3 THE NEW LOW SCALE OF A DRUM-SHAPED TABLE and ottomans, equally disposed to patio or indoor use. The painted wrought iron frames come in eleven colors; the polyfoam seat cushions are covered in a water-repellent cotton. Salterni.

4 THE BRIGHT-COLORED FINISH OF A CAFÉ TABLE that would make a pretty stop-off at the end of a garden path. The hardwood slat top of the table is painted pale orange, gold, or H&G's Cerulean Blue as well as white, the wrought iron base and chairs, painted to mix or match. Salmanson.

PHOTOGRAPHED BY MO AT AMSTER YARD, N AND JAMAICAN ORIG



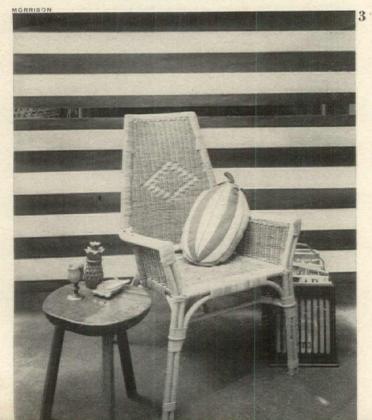












The new leisure furniture continued



1 THE LATTICE BASE OF A PATIO TABLE with a glass top and lattice-backed chairs to match. Cast iron frames have an unusual lead-colored finish that imparts elegance. Grille details give the threesome lightness combined with strength. The seat pads have zip-off covers. Lee L. Woodard Sons.

2 THE BAMBOO LOOK IN A DIRECTOR'S CHAIR with oriental overtones. It combines the portability and rugged constitution needed for outdoor use with the solidity and importance that belong to the best of indoor furniture. The varnished hardwood frames are shaped like bamboo and the slip-off seats and backs are made of canvas. Telescope Folding Furniture Co.

3 THE ANGULAR BACK OF A RATTAN ARMCHAIR that is imported from Hong Kong. It can bask in the sun or the rain with no bad after-effects but it would also make a long-lived addition to a boy's bedroom or a family room. Otto Gerdau Co.

Opposite:

4 SLEEPING COMFORT IN A RATTAN LOUNGE. This suave daybed comes with a foam rubber mattress, wedge-shaped back bolsters and arm bolsters—all covered in a linen-like fabric. For summer window dressing or airy space dividers: pierced wooden panels available in a variety of arabesque motifs ready to paint in H&G colors. Furniture by Vogue Rattan Mfg. Co.

For a variety of chaises, see page 194 Shopping information, page 191

Continued









The new leisure furniture continued



1 EXPANDED METAL in a deceptively fragile-looking loveseat that would make a compact and comfortable addition to a postage-stamp patio. Expanded steel lattice makes curved back of bench; wrought iron, the frame. Plantation Patterns.

2 SECTIONAL ARRANGEMENTS FOR POOLSIDE. Sopping swimmers can lounge with impunity on these settees since the frames have a rust-resistant finish, the foam cushions and bolsters, durable plastic covers. Sections are straight, or right-angled for corners, with right arm, left arm or none. Selrite.

3 A RATTAN CANOPY BED as fanciful as a fairy tale, to make any bedroom look summery the year round. Though a contemporary import from Hong Kong, this bedstead has a delightfully Victorian look, enhanced here by curtains and a valance made of flower-sprigged sheets to match those on the bed. Tropi-Cal.

4 THE LATTICE BACK OF A RATTAN CHAIR. Called the "Mandarin," it is a modified version of the romantic peacock chair and comes in saffron-toned finish. Arms have brass ferrules; foam rubber cushions are removable. Ficks Reed Co.

5 THE FRENCH COUNTRY LOOK achieved by a faithful reproduction of the popular painted-iron Montgolfier chair. Four of these chairs circling a pedestal table with white Carrara glass top would give al fresco entertaining the charm of lunching in the Bois de Boulogne. Arbuck Collection by Gallo Furniture Co.

6 STRETCHABLE WEBBING in the "Cobweb" chair. The seat spun of elasticized plastic rope has a wonderfully frivolous look that matches holiday spirits. For the convenience of Miss Muffets who like to take their relaxation on the beach, the steel frame folds up for carrying. It has a rust-resistant enamel finish, comes in a variety of summery colors. French Cobweb Chair Co.

7 A SQUARE-CANOPIED TABLE as gay and shapely as a carousel. The Hyacinth-painted aluminum frames support a patterned fiber glass table top and a Saran awning. Aluminum chairs have mahogany arms and brass finials. The Troy Sunshade Co.



New motif for summer living

The lattice look

On everything from dinner plates to accent rugs, grille patterns are providing new surface enrichment, engaging lightness and depth, a new sense of the outdoors indoors, and a fresh see-through view of everything within range



Left:

WROUGHT IRON FRETWORK skirting glass-topped tables sets the pattern for a warm weather buffet on the porch, which you see in color on our cover. Several small tables often work out better than a large one when your space is limited. Arrange them according to your menu using each table to serve a separate course. Another time you might use them for cozy foursomes at a sit-down supper. Set out for this buffet: lattice-edged dinner plates in white milk glass and companion black salad plates, by Westmoreland Glass; sterling in a contemporary vein, "Continental" by International Silver. Console tables by the Birmingham Ornamental Iron Co.

Opposite page:

FULL GAMUT OF GRILLWORK that spells the lattice look: 1 Wool loop rug in a parquet design, any color, any shape and size, by Edward Fields. 2 "Flower Plaid" wallpaper in green, yellow or blue on white, by Woodson Wallpapers. 3 Three-panel natural rattan screen 66" tall, by Tropi-Cal. 4 Hanging lamp of fishnet embedded in plastic, by Raymor. 5 Adaptation of the Empire bench with latticed metal seat, in antique silver finish, from Casa Azul, 6 Pretty ceramic cachepot with basket-like holder and red and white beaded pompon roses, imported by Bonwit Teller. 7 Walnut folding bed tray, net side pockets, by Tomorrow's Heirlooms. 8 Umbrella stand of rattan basketry with a brass base, Bloomingdale's. 9 Bath rug with criss-cross of red and blue on white, a tidy 21" x 36", Bloomingdale's. 10 Covered casserole, 21/2-quart capacity, laced with tones of blue or green on white, from Sweden House. 11 White china pitcher with a collar of blue and green fretwork, in Contempri China designed by Paul Mc-Cobb. 12 Fornasetti wastebasket, a 12" high metal cylinder painted white with overprinting of gold caning design, at Saks Fifth Avenue. 13 Candle warmer in china lattice bowl with brass cover and handles and 14 an extensible brass trivet, both from Bloomingdale's.



The lattice look continued



JEFFERY



For additional shopping information, see page 191

A CHECKERBOARD OF LATTICE TRIVETS strategically arranged on your serving table or sideboard not only protects it from hot casseroles and platters but also provides an interesting new surface treatment. Here teak squares by Dansk Designs cover Carrara glasstopped mahogany bar cart by Harvey Probber. (Another time you might use bamboo trivets.) The other principals: casseroles of French porcelain in white with a banding of gray flowers, English walnut and mahogany salad bowls, Italian earthenware plates, giant ebony and pewter shakers, an ice bucket with latticed cane cover.

Left:

A LATTICE CUT-OUT TABLE CLOTH, spread over a petticoat of contrasting color makes a splashy cover for a party table. The three-dimensional effect here is achieved with washable white felt by S. M. Hexter over moss green cloth (with dinner-sized napkins to match) by Craig Creations. As an alternative to felt, you might lay broad ribbons in a lattice pattern over a contrasting cloth. Congenial accessories here are scalloped dessert plates in brilliant green French pottery with handpainted white posies; mugs to match; porcelain-handled stainless steel fruit knives and forks from England; and a brimming basket in a see-through weave of bamboo.

HOUSE & GARDEN'S

Specialty Meats Cook Book

BY HELEN EVANS BROWN

Those tasty morsels known to the French as abats de boucherie, to the English as offal, and to us, more euphemistically, as specialty meats have fluctuated in favor throughout the centuries. The Romans held omenta in great esteem and concocted dishes of sweetbreads, brains and liver with honey and spices, whereas Tudor England spurned these "humbles" and considered them fit only to be served in a "pye" to the lower orders (or unruly children) who were seated below the salt—from whence came the phrase "to eat humble pie."

Specialty meats (not to be confused with cold cuts) are

both interior and exterior parts of the animal, ranging from head to tail, from ears to feet, with particular emphasis on the delicate organ meats—brains, liver, kidneys, sweethreads and tripe. Although they have not always been as well regarded in the U. S. as they merit, many travelers abroad who have swallowed their prejudices along with a delectable tripes à la mode de Caen or cervelles au beurre noir are now eager to duplicate these dishes at home. The following recipes will help you to enjoy the succulence of these once unconsidered trifles.

Shopping information for cook book cover, see page 191.

BRAINS

In this country brains are all but ignored and many cook books give them but passing mention. Veal, beef, pork and lamb brains are all good eating and the flavor is similar. Veal brains, being the most sought after, are naturally the highest in price. They weigh about a half-pound each. Beef brains weigh from three-quarters of a pound, pork and lamb brains from three to four ounces. Figure on a pound of brains for three or four servings. Brains are very perishable and should be parboiled as soon as possible after purchase. As the primary preparation for all dishes made with brains is the same, this can be done ahead of time.

To prepare brains

Wash brains well in cold water, then soak in salted water (1 tablespoon salt to 1 quart water) for half an hour. Remove membrane and blood clots (see illustration of technique on next page). Simmer in salted acidulated water (1 teaspoon salt and 1 tablespoon lemon juice for each quart of water) or in court bouillon for 10 minutes. Do not boil and do not overcook lest they lose their delicate texture. Plunge immediately into cold water, cover and store in the refrigerator until ready to use—but no longer than 1½ days.

Brain Fritters

Prepare brains as directed, cut in 1" cubes and marinate in French dressing for 1 hour. Drain well. Beat 1 egg, add ½ cup milk, ½ teaspoon salt, ½ teaspoon balt, ½ teaspoon balt, dear until smooth. If too thick, add a little more milk. Dip brains in this batter and fry in deep hot (360°-365°) fat until nicely browned. Serve with tomato, mushroom or tartar sauce.

Brains au Beurre Noir

2 pounds brains, parboiled Flour ½ cup butter Toast, chopped parsley 2 tablespoons vinegar 1 tablespoon capers

Prepare brains according to directions. Dry, dust lightly with flour and brown in ¼ cup butter. Put each cooked brain on a piece of toast and sprinkle with parsley. Add remaining butter to pan and cook until a deep amber, add vinegar and capers. Pour over brains and serve at once. Serves 6.

Brains with Lasagna

1/2 pound ground beef
2 tablespoons butter
1 pound brains, parboiled and chopped
1 cup chopped cooked spinach
1/4 cup grated Parmesan cheese
1 tablespoon minced parsley
2 teaspoons salt
1/2 teaspoon crushed rosemary
Pepper
Light cream
6 ounces cooked lasagna
Butter or olive oil
Grated Parmesan cheese

1/2 pound ground veal

Cook beef and veal in butter until lightly browned. Add brains, spinach, cheese, parsley, seasonings and enough cream to make mixture soft. Arrange a layer of lasagna in a buttered casserole, add a layer of meat mixture and continue in that order until casserole is full, making top layer lasagna. Brush top with butter or oil, sprinkle with grated cheese and bake in a moderate (350°) oven for 20 minutes. Serves 6.

Specialty meats comprise all the edible parts of an animal other than the flesh. In this cook book are recipes for the following:

- BRAINS
- HEART
- KIDNEYS
- LIVER
- MARROW
- OXTAIL
- SWEETBREADS
- TONGUE
- TRIPE

How to clean brains

Techniques demonstrated by Dione Lucas



Firm brains by soaking in ice water. Starting at loosest point, carefully peel off covering membrane and threadlike blood clots.

Scalloped Brains

Prepare a pound of brains as directed. Cut in small pieces, combine with 11/2 cups Mornay sauce, put in scallop shells or ramekins, sprinkle with buttered crumbs and bake at 350° until hot and brown. For Mornay Sauce: Add 1/2 cup grated Cheddar or Gruyère cheese to 11/2 cups medium cream sauce. Serves 4.

Scrambled Brains

This delicious breakfast dish, in its simplest form, is made by mixing small pieces of parboiled brains with eggs while scrambling them. Another way is to combine chopped brains with chopped hard-cooked eggs (3 eggs to each brain) and scrambling them with 6 raw eggs mixed with 2 tablespoons cream. Sprinkle scrambled brains with minced parsley and serve on toast.

Brains Vinaigrette

1 pound brains, parboiled and sliced 3/4 cup olive oil 1/4 cup wine vinegar 2 tablespoons red wine 3/4 teaspoon salt 1 tablespoon each: chopped chives, capers, green olives, parsley Freshly ground black pepper to taste Watercress

Arrange sliced brains neatly, overlapping, on a serving dish. Combine all other ingredients for sauce vinaigrette. Pour sauce over brains and chill. Garnish dish with cress and serve. Serves 4.

Brains Gribiche

1 pound brains, parboiled and sliced 2 hard-cooked egg yolks, mashed 3/3 cup olive oil

1/4 cup wine vinegar 1 teaspoon salt

1 teaspoon chopped tarragon

1/2 teaspoon each: chopped capers, gherkins,

2 hard-cooked egg whites, chopped

Arrange brains on dish as for Brains Vinaigrette. Chill. Mix remaining ingredients. Serve brains with this Sauce Gribiche. Serves 4.

Brains Mayonnaise

Chill and slice prepared brains and serve on a bed of lettuce. Mask with mayonnaise and garnish the dish with radishes, green onions, ripe olives and cherry tomatoes.

SWEETBREADS

Sweetbreads are highly prized-and therefore expensive-but they have little waste and their delicious flavor is worth an occasional splurge. A pair of sweetbreads (one pound) will serve from two to four, depending on how they are prepared. Many connoisseurs consider them best when served simply, in cream sauce, for then their delicate flavor reigns supreme. They may also be prepared in any of the styles recommended for brains. Immediately after sweetbreads are purchased, soak them in cold water. Then simmer them for 20 minutes in acidulated water (1 tablespoon lemon juice and I teaspoon salt to each quart of water). Drain, plunge immediately into cold water to stop cooking and make them firm, then clean by removing inedible parts, connecting tube and membrane. Do not remove the outer skin if you intend to cook sweetbreads whole. Most sweetbreads are veal, but beef and lamb sweethreads are also good eating. Beef sweetbreads require an extra ten minutes cooking.

Braised Sweetbreads

3 pairs sweetbreads, cooked for 5 minutes only 2 tablespoons and 1/4 cup butter 1 medium onion 1 large carrot 2 stalks celery 2 tablespoons minced ham Marjoram, parsley, salt, pepper 11/2 cups veal or chicken stock 1/4 cup Madeira

When sweetbreads have cooked for 5 minutes, plunge them into ice water. Clean. Brown dried sweethreads lightly in 2 tablespoons butter. Chop onion, carrot, celery, add ham, a pinch of marjoram and two sprigs of parsley and put in a casserole with 1/4 cup melted butter. Cook over a low heat until the vegetables just begin to brown, then put the sweethreads, whole or cut in large pieces, on top. Add stock, season with salt and a little pepper, cover casserole and cook in a 350° oven for 60 minutes. Put sweetbreads on toast and keep warm. Strain sauce, pressing vegetables through a sieve, and add Madeira. Reduce sauce if necessary by cooking quickly. Correct seasoning and pour sauce over sweetbreads. Serve at once. Serves 6.

Sweetbreads Bearnaise

Split cooked sweetbreads, dip them in melted butter and broil on each side until nicely colored. Serve with Bearnaise sauce and a purée of fresh peas.

For Bearnaise Sauce: Cook 1 tablespoon chopped shallots in 3 tablespoons tarragon vinegar until reduced by half. Press through a sieve into a small heavy bowl. Add 3 egg yolks and a pinch of dry mustard and put bowl over a pan of hotnot boiling-water. Melt 1/4 pound of butter and whip into the egg yolk mixture a little at a time. As the sauce thickens, pour in more butter, quickly, until all is used. Keep sauce over warm water until ready to serve. If too thick, add a little hot water just before serving.

Sweetbread Collops

Cut cooked sweetbreads in slices about 1/3" thick, dip in seasoned flour and sauté in butter, about 6 minutes on each side. Serve with lemon wedges or on toast with Hollandaise sauce.

Sweetbreads Florentine

Put a layer of chopped, cooked, seasoned spinach in the bottoms of scallop shells or ramekins. Cover with sliced cooked sweetbreads, mask with Mornay sauce, sprinkle with a little grated Parmesan cheese and bake at 400° until mixture is hot and the top browned. For Mornay sauce: To each cup of thin cream sauce add 2 tablespoons each grated Gruyère and Parmesan cheese or 1/4 cup grated Cheddar cheese. Cook until cheese is melted.

Creamed Sweetbreads

Cut or break a pound of cooked sweetbreads in pieces. Make a cream sauce by cooking 3 tablespoons butter and 3 tablespoons flour for 2 or 3 minutes, then adding 2 cups thin cream and 1 teaspoon salt. Cook, whipping with a wire whisk, until thickened and smooth. Add sweetbreads and cook 15 minutes. A tablespoon of sherry or Madeira or a little nutmeg may be added for flavoring, if desired. Serve on toast or in pastry shells. The creamed sweethreads may also be combined with a cup of diced cooked ham or mushrooms or both and baked in a pie or served in vol au vent shells as a party dish.

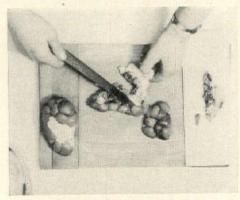
Sweetbread Salad

Cut cooked sweetbreads in small pieces and for each cup sweetbreads add 1/3 cup diced celery, 2 tablespoons finely minced green onions, 1/2 cup halved seedless grapes, 1/4 cup sliced blanched and toasted almonds. Mix. Dress with mayonnaise that has been combined with a little unsweetened whipped cream.

KIDNEYS

A perfectly cooked kidney is the sign of a good chef. Beef, veal and lamb kidneys are usually preferred to pork kidneys because of flavor, but all are high in nutritional value. A beef kidney weighs a little over a pound; a veal kidney half to three-quarters of a pound; lamb kidneys two to two-and-a-half ounces each. One pound of kidneys will serve four. Kidneys must be cooked quickly to be tender; when overcooked they toughen. The only exception to this is when they are used in a stew, casserole or pie that requires long, slow cooking which makes them tender again. Kidneys should be washed in cold water, the outer skin removed and the tubes and fat cut out with a sharp-pointed knife.

How to clean veal or beef kidneys



Slice kidney in half lengthwise and cut away excess fat from center with a sharp knife.

Deviled Lamb Kidneys

12 lamb kidneys
1/4 pound butter
1/4 cup minced onion
1 clove garlic, pressed
Dash of cayenne, Tabasco
2 teaspoons prepared mustard
2 tablespoons dry sherry
1/4 teaspoon pepper

Split kidneys and remove hard center but do not cut completely in half. Spread flat, Mix remaining ingredients together, spread the cut side of the kidneys with the mixture and broil, spread side up, until juicy and tender—about 5 minutes. Arrange on toast, pour the drippings over the kidneys. Serves 6.

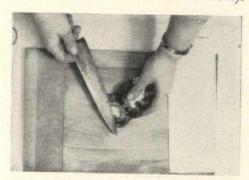
Onions Stuffed with Kidneys

Allow 1 large onion for each serving. Boil for 5 minutes, remove peel, cut a slice from the top and scoop out the inside, making a hole large enough to hold a whole lamb kidney. Clean kidneys, sprinkle with salt and pepper, put one in each onion and add 1 tablespoon butter and ¼ teaspoon prepared mustard to each. Wrap in foil and bake in a 375° oven for 40 minutes. Serve the kidney-stuffed onions in the foil.

How to clean lamb kidneys



Pull off outer fat; insert thumb at core and remove thin membrane around the kidney.



Cut kidney in half lengthwise; scrape with knife to loosen core of fat, connecting tubes.



Turn over; cut down on slant with sawing motion while pulling core with left hand.

How to split lamb kidneys for broiling



Starting at bottom of kidney, slice lengthwise but do not cut kidney through at top.



Spread flat, loosen core with fingers. Use sharp scissors to snip out core and tubes.



Skewer flat with toothpicks so kidney will curl at outside edges under broiler heat.

Veal Kidneys with Madeira and Sour Cream

3 veal kidneys, skinned, cleaned and thinly sliced Flour

1/4 pound butter 1/2 cup Madeira wine

1/4 cup sour cream

Salt, pepper

Dust sliced kidneys with flour and sauté very quickly in butter, using a large skillet so all kidneys will cook in 3 or 4 minutes. Remove to a warm dish. Add Madeira to pan, carefully stir in sour cream (keep heat low so cream does not curdle). Stir, season with salt, pepper, pour sauce over kidneys and serve at once. Serves 6.

Kidneys Bordelaise

1 pound kidneys, cleaned and sliced ¼ cup butter Sliced cooked beef marrow (see Marrow) Bordelaise sauce

Cook kidneys quickly in butter. Arrange on a platter, top with sliced cooked beef marrow and serve with Bordelaise sauce. Serves 4.

For Bordelaise sauce: Cook 3 tablespoons minced shallot or green onion, 1 cup red wine, a pinch of thyme, a small piece of bay leaf and a couple of crushed peppercorns until reduced to ¼ cup. Strain, pressing out all juices. Add I cup sauce Espagnole or canned beef gravy to the liquid, heat, add ½ teaspoon lemon juice and 1 tablespoon butter. Stir until butter is melted.

Kidney Stew

1 beef kidney, cleaned and cut in thin slices
½ cup chopped onion
¼ cup butter
¼ cup flour
2 cups beef stock
¼ cup red wine or tomato purée
Salt, pepper, tarragon or thyme

Cook kidney and onion in butter. Do not overcook. Remove kidney and keep warm. Add flour, stock and wine or purée to pan. Cook until thick. Season to taste with salt, pepper and a little tarragon or thyme. Pour sauce over kidneys and serve at once with rice or mashed potatoes and thinly sliced carrots cooked until tender but crisp and dressed with butter and minced parsley. Serves 4.

Kidneys in Red Wine

1 pound kidneys, any kind
¼ cup butter
1 small onion, chopped
1 cup sliced mushrooms
½ cup red wine
¼ cup stock
Salt

Clean and slice kidneys. Brown quickly in butter. Remove and keep warm. Add onion and mushrooms to pan, adding more butter if necessary. When onion is transparent, pour in wine and stock, bring to a boil, add kidneys and salt to taste and cook a minute or less, just to heat through thoroughly. Serve at once with rice or on toast. Serves 4.

MARROW

Marrow on Toast

Have beef bones from the leg or shank sawed in pieces about 2" to 2½" long and bake them in a 350° oven for ½ hour. (Marrow bones may also be steamed for the same length of time but baking browns them and improves their appearance as well as flavor.) Arrange marrow bones on pieces of toast, allowing 3 or 4 for each person, and serve at once. The bones help keep the heat in the marrow. At the table, push marrow onto toast, sprinkle it with salt and eat it as a first course. As few households boast marrow spoons, use oyster forks or slender fruit knives for poking out the marrow.

When serving marrow as a finger food appetizer, bake as above, remove marrow and spread on Melba toast or crackers. Sprinkle with salt and, before serving, slip under the broiler to become piping hot.

Apple and Marrow Pie

5 pounds marrow bones
Salt
2 pounds Pippin apples
Pastry for 10" pie
½ cup raisins soaked for several hours in
½ cup port

Put marrow bones in 350° oven for 15 minutes, then remove marrow, slice and sprinkle with salt. Peel and slice apples. Line a 10" pie pan with pie crust, add apples, then marrow, then top with soaked raisins. Pour on any port that raisins did not absorb. Top with crust, slash, and bake at 425° for 15 minutes. Reduce heat to 350° and continue baking until nicely browned. Serves 8.

SPECIALTY MEAT COMBINATIONS

Fritto Misto

This famous Italian dish is a good way of using specialty meats in combination. Chicken and calf's liver, sweetbreads, brains, tripe and kidneys may all be used and often vegetables such as artichoke hearts, slices of zucchini and cauliflower buds are included. These are all dipped in batter and fried in deep 365° fat until nicely browned. With the exception of the chicken livers, liver and kidney, the meats should be precooked and the vegetables should be parboiled before being deep fried.

For the batter: Beat 2 eggs well, add \(^2\)/2 cup milk, 1 cup flour, \(^1\)/2 teaspoon salt and a dash of pepper. Beat smooth. Dry meats before dipping them in batter.

Specialty Meat Fondue Bourguignonne

(shown on cook book cover)

A different version of fondue Bourguignonne, this is a good way for the hostess to serve, and let her guests select from, a variety of innards. Arrange cubes of calf's liver, whole or halved chicken livers, quartered lamb kidneys or cubes of veal kidney and good-size pieces of precooked sweetbreads and brains on a dish. The procedure is the same as for the fondue made with cubes of filet of beef. Have an alcohol-heated fondue Bourguignonne unit (or an electric skillet or chafing dish) in the middle of the table and keep at least a half-pound of melted butter sizzling hot in it (you may substitute a light cooking oil if you wish). Provide each guest with a long-handled fondue fork so he can spear his favorite tidbit and swirl it around in the sizzling butter until it's done to his liking. Have a selection of sauces and garnishes, such as Bearnaise sauce, curried mayonnaise, garlic sauce, Dijon mustard, tartar sauce, sour cream, chutney, chopped pickles, chopped chives, etc. Each guest dips his cooked tidbit into the sauce of his choice and eats it piping hot with crusty bread and a glass of wine Burgundy, of course.

How to clean and stuff veal heart



1. Remove fatty covering from around heart and cut away tube at the top with scissors.



4. Sew up opening with strong needle and thread, using crossover herringbone stitch.

HEART

Heart is another much-neglected meat. Hearts are usually stuffed and baked or braised, as most cooks believe they require long cooking. However, like kidneys and most other innards, they are tender if cooked for a short time. Overcooking makes them toughen and they then have to be cooked lengthily to become tender again. A veal heart weighs close to a pound; a beef heart three to four pounds; pork heart about half a pound; lamb heart four or five ounces. A pound of heart serves two or three. Hearts should be washed thoroughly and the arteries and heavy fat removed with a sharp knife. If the heart is to be sliced, it should be split first.

Stuffed Baked Heart

1 beef heart or 2 veal hearts

2 cups toasted bread crumbs

1 onion, chopped and cooked in 1/3 cup butter

1 egg

1 teaspoon salt

1/2 teaspoon rosemary

1/4 cup flour seasoned with 1/2 teaspoon salt

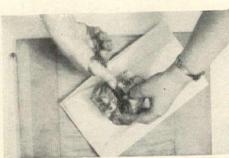
3 tablespoons shortening

I cup red wine, stock or tomato juice

Wash and trim heart and enlarge opening. Make a stuffing with bread crumbs, onion, egg, seasonings. Fill hearts, skewer or sew opening, dust with seasoned flour and brown in shortening in a Dutch oven or casserole. Add red wine, stock or tomato juice, sprinkle with salt, cover and simmer on top of the range or bake in a 350° oven for 2 hours or until fork tender. Serves 6.

Sautéed Heart

Slice heart ½" or ¾" thick, dust with seasoned flour and sauté quickly in butter, using ¼ cup butter for each pound of heart. Serve sprinkled with minced parsley and accompany with a wedge of lemon. Or serve with the following Sauce Piquant: Cook a small onion, minced, in 2 table-spoons butter and ¼ cup red wine vinegar until vinegar is absorbed. Add 1 cup canned beef gravy, 2 teaspoons minced parsley, a dash of Tabasco, ¼ teaspoon salt, a grind or two of fresh black pepper and 1 tablespoon chopped capers or sour pickles. Heat and serve.



2. Snip away the tube and arteries from the inside, making pocket for the stuffing.



5. Cut thin strips of salt pork and press into long pointed larding needle with thumb.

OXTAIL

These appendages are especially delicious. An oxtail weighs about two pounds and serves two or three. Oxtails make a wonderfully rich soup, stew or ragoût.

Oxtail Casserole

2 pounds oxtails, disjointed

Seasoned flour

1 cup chopped onion

1/4 cup butter

1/2 cup red wine or tomato juice

2 cups stock

Salt, pepper, rosemary

Small peeled onions, baby carrots, sliced celery, mushrooms

Dust oxtails with flour. Cook onion in butter until wilted. Add oxtails and brown lightly. Add wine and 2 cups stock (or water). Add 1 teaspoon salt, a little pepper and a good pinch rosemary. Simmer for about 3 hours, or until almost tender. Put in a casserole with the vegetables. Cook in a 375° oven for 45 minutes or until the vegetables are tender. Thicken sauce if desired. Serve with mashed potatoes or noodles. Serves 6.

Oxtail Soup

1 oxtail, disjointed

Seasoned flour

1/4 cup shortening

3 quarts water

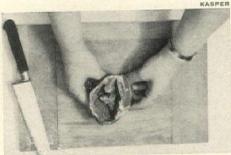
1 teaspoon salt
Herb bouquet (parsley, bay leaf, marjoram or thyme)

1 cup each: diced carrot, celery, onion

Salt, pepper

2 tablespoons parsley

Dust oxtail with flour and brown in shortening. Add 2 quarts water, 1 teaspoon salt, herb bouquet, and simmer until tender—3 hours or more. Skim, add 1 quart water and dfced vegetables. Cook until vegetables are tender. Correct seasoning, add parsley and serve from a tureen with hot bread, preferably homemade. Meat may be removed from the bones before vegetables are added, if desired. Serves 8.



3. Wash heart well in cold water. Dry. Fill pocket in heart with the desired stuffing.



6. Thread pork through surface of heart to keep it from drying out during cooking.

Grilled Oxtails

Have oxtails disjointed, allowing 1 per person. Use only the large, meaty end. Barely cover oxtails with water, add 1 onion, a couple of cloves, some salt and a little marjoram. Cover and simmer until tender (about 3 hours or a little longer). Drain, saving stock for soup, dry, dip in melted butter and roll in fine bread crumbs. Broil until nicely browned on all sides. Serve with Sauce Diable. Supply finger bowls.

For Sauce Diable: Chop 2 shallots or green onions and cook in 2 tablespoons butter until transparent. Add 3 tablespoons vinegar, 1 teaspoon dry mustard, 1 tablespoon Worcestershire sauce, a dash of Tabasco and 2 cups sauce Espagnole or brown gravy (you may also reduce oxtail stock, season, thicken slightly with flour and butter kneaded together and use it in place of the sauce or gravy).

LIVER

Liver, including chicken liver, is perhaps the most popular of all the inner meats with gastronomes. It is high in minerals and vitamins as well as in flavor, but, like so many of the other specialty meats, to overcook it is to ruin it. A whole beef liver weighs about ten pounds; a calf's liver three pounds or a little more; lamb's livers are about a pound apiece. One pound of liver will serve three to four.

Broiled Liver

Have liver sliced at least ¾" thick, preferably thicker. Brush each side with melted butter or bacon fat. Broil 3 to 6 minutes a side over charcoal, or broil under the broiler with rack about 5" below the heat for 3 to 4 minutes a side, until brown on the outside but still pinkish inside. The best way to tell if the liver is done to your liking is to make a slit with a sharp knife. Sprinkle cooked liver with salt and pepper, put a piece of butter on top or a crisp slice or two of bacon on each side and serve with a wedge of lemon.

Liver with Herbs

2 pounds calf's liver, sliced thick 1/4 cup and 2 tablespoons butter 1 tablespoon each: minced parsley, chives, tarragon 2 tablespoons lemon juice

Sauté liver quickly in ¼ cup butter until brown but still pink inside. Remove to hot platter. Add to pan remaining butter, herbs and lemon juice, cook for a minute or two and pour over liver. Serves 6-8.

Chopped Liver Appetizer

2-pound piece calf's liver 1 large mild onion, chopped ½ cup rendered chicken fat

Bake liver without seasoning in a 350° oven until meat thermometer registers 145°-150°. It will still be pink and juicy. Remove skin and veins and cut in very small dice, saving any juices. Cook onion in ½ cup chicken fat until thoroughly wilted. Mix with liver and chill. Just before serving, mix in remaining chicken fat. The liver is salted at the table (if salt is added during cooking or chilling, the liver will have a bitter flavor). Serve with pumpernickel bread. This will serve 8-10 as a first course, 16-20 as a cocktail appetizer.

Calf's Liver, Chinese Style

I pound calf's liver, sliced 1/3" or more thick

I tablespoon cornstarch mixed with 1 teaspoon salt, a jew grains freshly ground black pepper 4 tablespoons oil

2 green onions, cut in long thin diagonal strips 1 green pepper, cut in thin strips

1/2 cup tomato juice

1 tablespoon soy sauce

1 tablespoon cornstarch mixed with

2 tablespoons water

I large tomato, peeled, seeded, cut in eighths

Sprinkle liver with cornstarch mixed with salt and pepper and cook quickly in 3 tablespoons oil. Remove and keep warm. Add to pan remaining oil, onions and green pepper. Cook 1 minute, stirring, then add tomato juice, soy sauce and cornstarch mixed with water. Cook until the sauce is clear. Return liver to pan with tomato pieces. Heat quickly in the sauce. Serve liver and sauce with rice. Serves 4.

Braised Liver

3-4-pound piece calf's or beef liver

1/4 pound salt pork cut in long, thin strips

3 tablespoons shortening

1 teaspoon salt

Freshly ground pepper

1 tablespoon flour

2 teaspoons dried sweet basil

1 onion, chopped

 $1\ carrot,\ chopped$

1 cup red wine

Stock

1/4 cup each: butter, flour

Lard the liver with the salt pork strips (see illustration of technique) and tie it compactly. Brown in the shortening in a Dutch oven or heavy iron pot. Sprinkle with salt, pepper, 1 tablespoon flour and sweet basil. Add onion, carrot and red wine. Cover and cook for 10 minutes. Remove cover, insert meat thermometer in liver, add 1 cup stock and bake at 350° until thermometer registers 145°-150°, basting occasionally and adding sufficient extra stock to make 3 cups sauce in all. Correct seasoning. Thicken sauce with mixed butter and flour. Serve with mashed potatoes. Serves 6-8.

Chicken Liver Paté

1 pound chicken livers, cleaned and cut in pieces 1/2 cup minced onion

1/4 cup butter

2 egg yolks

1/4 cup heavy cream

1 tablespoon flour

3/4 teaspoon salt

1/2 teaspoon tarragon (or 1/4 teaspoon each:

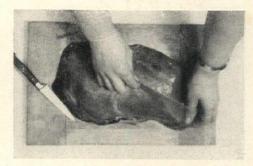
thyme, allspice)

Few grains pepper

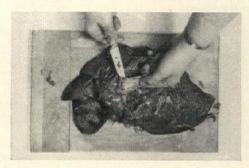
2 tablespoons cognac

Cook onion in butter until transparent. Add chicken livers and cook until colored. Do not overcook. Beat egg yolks slightly, mix with cream, add other ingredients, including onion and chicken livers, and purée in a blender until smooth or force through a sieve. Put in a buttered casserole or a small loaf pan lined with bacon slices, cover the top with buttered paper or bacon slices, stand in a pan of water and bake at 300° for 1 hour. Chill before serving. Serve with crisp hot toast as an appetizer or on lettuce, sliced and garnished, for a first course. Serves 8 as first course, 12 as appetizer.

How to clean and lard a calf's liver



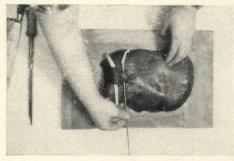
Loosen covering skin at thin end of liver, work fingers underneath and pull skin off.



Pull with fingers and use knife in sawing motion to cut tough fibers from underside.



Insert strips of salt pork with larding needle to provide fat and flavor during braising.



With thinner larding needle, alternate thin strips of pork with thick. Fold ends over.

Chicken Liver Casserole

1 pound chicken livers

1/4 cup butter

Salt, freshly ground pepper

1 cup rice

2 cups sour cream

1 teaspoon dried dill weed or crushed tarragon

Cut livers in half and sauté lightly in butter until blood stops running. Season with salt. Cook rice until tender but not soggy. Season sour cream with 1 teaspoon salt, a little pepper and the dill or tarragon. Arrange a layer of rice in a buttered 1½ quart casserole, add a layer of chicken livers, then a layer of sour cream. Repeat until ingredients are used, making a top layer of rice. Cover and bake at 3.0° for 30 minutes or until hot. Serves 6.

TRIPE

Tripe is the most maligned of the innards, but to many devotees it is the best. The tripe known as "honeycomb" because of its markings is considered the most desirable but the other two kinds, "pocket" and "smooth," are also fine in flavor. Often all three kinds are sold together in one piece. Canned and pickled tripe is also available in some markets. Tripe is almost always sold raw, or partially so, and requires cooking. To cook tripe, cover it with water to which salt, an onion, a stalk of celery and an herb bouquet have been added and simmer until tender—this takes anywhere from 1 to 4 hours, depending on how much it has been precooked before being sold. 1 pound of tripe will serve 3 or 4.

Broiled Tripe

Cook tripe, cut in serving-size pieces, dip in flour and then in melted butter. Then dip in fine crumbs. Broil, smooth side first, for about 7 minutes, or until nicely browned. Serve with lemon wedges, tartar sauce.

Fried Tripe and Green Peppers

Cut cooked tripe in strips and dip in flour. Sauté in butter until brown on both sides. In another pan sauté sliced green peppers and sliced onions, allowing one of each per pound of tripe. Combine tripe, peppers and onions, put in a hot dish and serve with a rich thin cream sauce.

Tripe and Oysters

2 pounds cooked tripe, cut in 11/2" squares

1 cup minced onion

1/4 cup butter

3 tablespoons flour

2 tablespoons each: chopped red and green

pepper

 $1\frac{1}{2}$ cups light cream

1 pint oysters

Salt, pepper

Cook onion in butter until wilted, then add flour and red and green peppers. Cook a minute, then stir in cream. Cook until thickened. Meanwhile, poach oysters and add them, liquor and all, to sauce. Add tripe, correct seasoning, heat and serve with toast. Serves 6-8.

Tripe à l'Espagnole

2 pounds tripe, cut in squares

1 large onion, minced

1 clove garlic, bruised

1/4 cup olive oil

2 cups tomato purée

4-ounce can peeled green chili peppers

or pimientos, cut in pieces

½ teaspoon oregano

Salt, pepper

Cook onion and garlic in oil until wilted. Discard garlic, add tripe, tomato purée, chili peppers or pimientos, oregano and salt and pepper to taste. Simmer slowly for 1 hour. Serve with plenty of bread for dunking. Serves 6-8.

Tripe Vinaigrette

Cook tripe as directed, cut in strips and arrange on a dish. Cover with sauce vinaignette or sauce gribiche (see Brains Vinaignette and Brains Gribiche). Chill before serving.

Tripes à la Mode de Caen

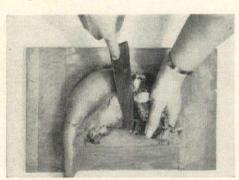
5 pounds tripe, cut in 2" x 1" strips
1 veal shank
4 onions, sliced
5 carrots, sliced
4 stalks celery, sliced
½ cup butter
Salt, pepper
Herb bouquet of parsley, thyme, bay leaf
1½ cups white wine
1 cup Calvados or applejack
Stock

This is one of the world's great classic recipes and it requires long, slow cooking in a sealed earthenware pot to be really perfect. We have tried hastening the process with a pressure cooker but the results, as with most other hurry-up jobs, were disappointing. Put the veal shank in the bottom of a large earthen marmite, casserole or bean pot. Cook onions, carrots and celery in butter until wilted, then arrange them in layers in the pot, alternating with the tripe. Sprinkle each layer with salt and pepper and tuck the herb bouquet in the middle. Add wine, Calvados and fill the pot with stock. Cover and seal the lid on with a paste of flour and water. Cook in a slow (250°) oven for 8 hours. Remove veal shank and herb bouquet before serving. Serve with French bread. Serves 8-12.

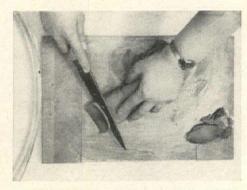
How to trim and slice boiled tongue



Slit skin of boiled tongue near thick end and peel toward tip; use hands to do this.



With sharp knife, trim off all gristle, fat and bones from thick end of the tongue.



Slice diagonally, cutting from thick and thin ends of tongue alternately. Arrange on dish.

TONGUE

Beef tongues, the most popular of this variety of innards, are sold fresh, pickled, smoked and corned and, in some areas, already cooked. They weigh from two-and-a-half to five pounds. Calf's tongues weigh less, about two pounds, and are usually sold fresh. Lamb's tongues weigh about a quarter of a pound and are sold fresh or pickled. Pork tongues weigh about a pound. One pound of tongue makes three or four servings. To cook tongue, wash well and put in a large pot with water to cover, half a lemon, a sliced onion, a couple of stalks of celery and an herb bouquet consisting of parsley, bay leaf and thyme. Simmer until tender to the fork. A beef tongue will take 3 to 4 hours, sometimes a little longer. A veal tongue takes about 21/2 hours, lamb tongue

Tongue Fines Herbes

1 beef tongue, boiled
1/4 pound butter
3 tablespoons each: minced parsley and chives
1 teaspoon tarragon or marjoram or sweet basil
1/2 cup white wine
Salt

Skin tongue and slice it about ¼" thick, taking care not to cut through the bottom. Mix butter and herbs. Spread herb butter between slices and reshape with skewers or by tying with string. Put in a casserole with the wine, sprinkle with salt and bake at 350° for 40 minutes, basting a few times. Serve with spinach.

Cold Tongue Vin Blanc

1 fresh beef tongue
Sliced onion, herb bouquet
½ cup butter
¼ cup flour
1 jigger cognac
½ cup white wine
Watercress
1 cup whipped cream combi

1 cup whipped cream combined with 3 tablespoons grated horse-radish, ½ teaspoon salt

Cook beef tongue in salted water to cover with onion and herb bouquet for 1 hour. Remove and skin. Brown tongue in butter in a Dutch oven, add flour, cognac and wine and enough of water in which tongue was boiled to barely cover it. Simmer for 3 hours or until very tender. Remove tongue and put in a dish just large enough to hold it. Strain sauce, reduce liquid to 1 cup, correct seasoning and pour it over the tongue. Chill. Serve cold, garnish with watercress and serve the whipped cream as a sauce.

Escabeche de Lengua

This is a Mexican dish, very nice for a cold buffet or on a hot day. Cook any kind of tongue (allowing 2 pounds for 6 servings) in a court bouillon of 2 quarts water, 1/2 a lemon, a small onion, a sliced carrot, a stalk of celery and 2 teaspoons salt. When tongue is tender, allow it to cool in the bouillon. Skin, slice and arrange in a deep platter or shallow dish, putting paperthin slices of sweet onion and unpeeled orange and sliced ripe olives between the layers of tongue. Make a dressing with 34 cup olive oil, 1/4 cup wine vinegar, I teaspoon salt and plenty of freshly ground black pepper. Pour dressing over tongue and chill for 24 hours. Before serving, sprinkle with minced parsley and, if available, minced fresh coriander (also known as cilantro or Chinese parsley). Serve very cold.

SWITZERLAND

continued from page 112

evergreens, the low-upkeep Japanese garden is a natural, and the landscapists have gone in for it in a big way. At the Zurich horticultural exhibit last September, almost every specimen garden was in this style. The Swiss, however, are not using oriental moonbridges, Yokimi lanterns, or symbolic stones. They just take their own honest rocks, put them where and how they look best and work in plantings and water around them. At the Zurich exhibit I especially liked a garden with a series of bisses, which are long narrow drains of solid granite, such as one finds in the high mountain meadows. Another garden made effective use of hollowed larch-trunks, none other than cattle watering troughs as basins for tiny fountains. Such things are native elements; well used, combined with appropriate plant material, they carry great conviction.

But the pleasures of the eye are not enough. At the end of any morning, after walking around in thin clear air, the tourist inevitably asks: "Where shall we eat?"

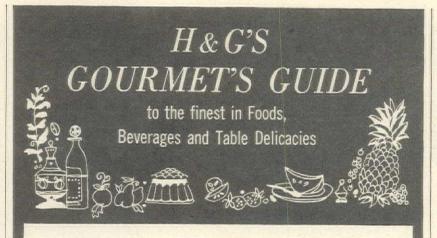
Regional cuisines

The large hotels feature a cuisine intended to appeal to the Everybody's palate, but gastronomic fun is to follow local customs. The spaghetti belt creeps up from Italy and includes the Canton Ticino, south of the Alps, with Italian as its language. At Lugano and Locarno, in vine-covered trattorias on the lovely lakes that extend into Lombardy, one eats pastas and risottos, scallopini and osso bucco, and the local red is a good stand-in for Chianti.

In central and northern Switzerland the cooking is German or, more specifically, it is close to the cooking of Bavaria and Austria. There is a lot of veal, of which a cutlet similar to the Wiener schnitzel is perhaps the best preparation. Zurich features leberspiessli, brochettes of calf liver and bacon. Burehamme, the Bernese ham, is excellent and must be accompanied by röstli, which are potatoes boiled, diced and sautéed in butter and then baked until crusty. Beef, smoked and dried by hanging under the rafters of the high mountain huts, is sliced very thin and served as an hors d'oeuvre. It is, if you wish, like our chipped beef but far more tasty and less salty, and it is never cooked.

The taste sensation of this part of the country is the mountain trout. You see them in every

Continued on next page



QUICK GOURMET RECIPE OF THE MONTH

Liver in Sour Cream with Dill

2 pounds calf's liver, cut in 1" cubes

1/4 cup flour seasoned with pepper, 1/2 teaspoon salt

1 large garlic clove, pressed

1/4 cup butter

1/4 cup stock

1 cup sour cream

2 teaspoons chopped fresh dill

Dust liver cubes with flour and cook, with garlic, in butter until lightly browned but still juicy inside. Stir in stock and sour cream (keep heat low and blend in a little sour cream at a time, so it does not separate). Correct seasoning, adding salt and pepper to taste. Add dill. Heat gently. Serve with noodles. Serves 6-8.

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SWITZERLAND

continued

Swiss stream, flickering across the stony bottoms of those cold rivulets that come down from the glaciers. I think the sweet firm flesh is best à la meunière, just well turned in broiling butter. There are pike, perch, cray-fish and many other interesting inhabitants of the lakes and rivers, which are featured by most outof-city restaurants. It is unfair to single out one restaurant among hundreds, but you are sure to be pleased at Fishers Stube, at Shaffhausen, an inn within view of the spectacular falls of the Rhine.

German Switzerland goes in for a lot of local cakes and pastries of which each village is proud. The pear bread rolls of Lucerne, the biberfladen of Appenzell, the almond and prune pastete of Glarus, the cookies known as leckerli from Basel are all found in good confectioners' throughout the country, but they are never supposed to be as good as in their home towns. An impressive array of sausages and salamis adorns the delicatessen shops, and of course many local cheeses which as far as I can discover are never exported. I remember a sharp sour-milk cheese from Appenzell and a cheese flavored with mountain herbs from Glarus. In villages on the road from Berne to Lausanne I have bought sharp, odorous "monk's heads" (so called because the large round white cheese looks for all the world like a shaven pate), which have had great success on my table in Paris.

Treats for gourmets

You will not be surprised to find that French-speaking Switzerland-the cantons of Geneva, Neuchatel, Vaud and part of Valaisis where one finds real gastronomy. The general level of preparation is so good that we shall take time to mention only one or two specialties. The most famous is la fondue, a melted cheese dish which must not be confused with a Welsh rarebit. Each chef has his secret proportions and flavorings for fondue but the basic recipe is as follows: Bring white wine to a bubbling point in an earthenware dish which you have rubbed lightly with garlic. Drop in the Swiss cheese-Gruyère or Emmenthal or a mixture of the two-cut in tiny bits, stirring with a wooden spoon until it is melted and you have a smooth texture. Add a good dollop of warmed kirsch, white pepper, perhaps a touch of nutmeg. Place in the middle of the

dining table on an alcohol lamp, burning low. With a long fork, each person dips little cubes of bread into the dish. If you let your bread drop into the dish, you have to pay a round of white wine. So you see, a fondue is not only gastronomic, but a bit of a sport, and it must be digestible for it is a favorite after-theatre dish.

Lake Geneva is the haunt of a rare and wonderful fish called the omble chevalier. According to the encyclopedia, it is salvelinus alpinus, a member of the salmon family, probably landlocked in Lake Geneva when some geologic upheaval, eons ago, blocked off the river Rhône and formed the Lake Geneva of today. The salmon managed to survive, shrunk to 30 inches or less in length, and now spend their lives in the cold bottoms of the lake, a thousand feet deep, coming to the bank only to spawn. Since it is forbidden to take them at spawning time, and only the professionals go after them, I imagine it is quite a trick to catch an omble chevalier. This fish is never shipped out, except on special occasions. A couple of years ago I was in a well known fish restaurant in Paris when the Duchess of Windsor, who is a famous gourmet, came in for a lengthy conversation with the manager. When she had gone, I asked him if he could tell me what it was all about. He said, "Yes, next week is the Duke of Windsor's birthday and the Duchess wants to give a very special luncheon, including the best fish in all the world."

Some sort of hunch made me ask," An omble chevalier?"

"Exactly; that's what I think too; I shall arrange to fly in a couple from Geneva."

So, whenever you are on the borders of Lake Geneva, make a special effort to order this rare dish, either in one of the lakeside inns or in one of the fine town restaurants such as Le Gentilhomme, Amphytryon or Le Béarn. Order it with one of the flinty white wines of the Vaud canton, which are the best in Switzerland.

On the south bank of the Rhône, near the business section of Geneva, is a restaurant, L'Or du Rhône, worth mentioning for its special grilling of meat before fires made from sarments de vigne, which are grapevine prunings or old stumps from the vineyards. The coals, quickly consumed, give a blistering heat, but also an aromatic smoke that does wonders for a chicken.

Continued on page 231



Congratulations! Your boeuf bourguignon was really inspired. And there's inspiration for hundreds of other delightful recipes in House & Garden's monthly Cook Book sections. They're meant to be removed from the magazine and added to your permanent kitchen library, and a beautiful, sturdy Cerulean Blue binder will hold your collection. Order yours now (it's embossed: House & Garden's Cook Books) by sending \$1.50 with the coupon below. If you've already filled one binder, why not start another?

Because of many requests, House & Garden is also making available a free list of its previous Cook Book sections. A limited supply is still available, so if you've missed any, here's the opportunity to complete your collection. They make fine gifts, too.

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ROYALTY OF WROUGHT IRON CRAFTSMANSHIP . . . AMERICA'S "FOREVER" FURNITURE



Homebuilder's Scrapbook

Here are five new products to consider when building, remodeling or repairing your house.

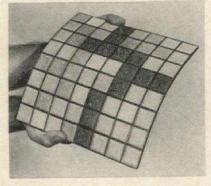




Portable air purifier removes dust, pollen, smog, smoke and grease from the air in any room up to 15' x 15' in size. Housed in a lightweight aluminum casing, the unit is easily moved to any location. \$39.95. Chico General Products Corp., 1229 Bayshore Hghwy, Burlingame, Calif.



Household hygrometer, 3½" x 4½", is a precision instrument designed to measure relative humidity. It can also be used to check the efficiency of the humidity control in your air conditioning system. \$7.95. Elden Sales Promotion Co., 920 E. Lincoln, Birmingham, Mich.



A new type of ceramic flooring is available in units 9" square and \(^{7}\sigma_2\)" thick. Each unit is made up of 1" x 1" ceramic pieces fused into a rubber grid and is installed on the floor in the same manner as vinyl tile. The United States Ceramic Tile Co., 217 4th St., N.E., Canton 2, Ohio.



Push-button plumbing controls supply hot, cold or warm water at a touch. Each button is colorcoded and labeled for easy identification. The controls may be placed in any convenient location. American Sanitary Manufacturing Co., Abingdon, Ill.





Roll-up aluminum ladder is lightweight and easy to store. When unrolled and locked (by means of a lever), the ladder is completely rigid and strong enough to support 1000 pounds. Its 12' length rolls up into a 20" diameter weighing 18 pounds. Aladdin's Products Inc., 50 West Broad St., Columbus, Ohio.



New mar-resistant laminate featured in Youngstown Kitchens Woodcharm Line brings you the lustre of fine furniture wood in a splinter-free, washable finish!

Only Youngstown Kitchens, master-craftsmen of kitchen cabinetry, captures the beauty of wood in today's newest, most practical materials. Exclusive new laminate resists grease and steam, food acids and alcohol...resists warping...even polishes itself as you sponge it clean. Honeywood is just one of a choice of beautiful laminates fashioned into doors on easy-to-clean steel cabinets. Plan your own complete kitchen from dozens of cabinet styles and sizes in the "Woodcharm" Line now at your Youngstown Kitchens dealer.* Or save on the special pre-planned Honeywood "package" shown here.



REMODELING YOUR KITCHEN: WHEN YOUR FAMILY NEEDS CHANGE

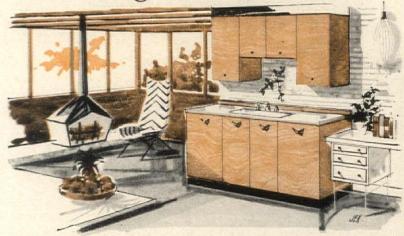
continued from page 146

You can turn a pantry into an auxiliary kitchen by adding cooking units and a sink



Remodeled serving pantry, just off the main work area of Mr. and Mrs. Brickman's kitchen, has a sink deep enough for flower arranging, two foldaway burners and storage for china, glass and silver. For big parties, the pantry serves as a secondary kitchen where dessert and coffee can be prepared. The family also uses it as a snack and breakfast preparation center for meals in the adjoining breakfast room.

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How to choose and use an ELECTRIC FLOOR POLISHER the magic key to beautiful floors

espite its rather specialized label, the modern electric floor polisher has relieved us of the job proverbially rated the toughest, sloppiest, lowliest, most boring chore of housekeeping-scrubbing floors. For these machines are designed to clean the floor as well as polish it. Many of them even take over the job of applying the cleaner and the wax. Basically the floor polisher is an electrically powered machine about the size of an upright vacuum cleaner, to which a variety of brushes, pads and buffers (see below) may be clipped on and just as easily removed. Sometimes a rug shampooing attachment is included as standard equipment, but primarily the polisher is designed to be used on bare floors. Different makes vary in weight from ten to twenty-

four pounds but added weight does not seem to improve performance.

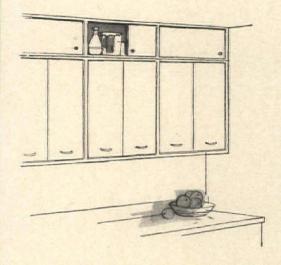
To use a floor polisher, you proceed in the same manner as you do when you shine shoes. First you clean, then wax with whatever type of wax is recommended for your flooring. Finally you polish and buff. The most sensible course is to apply the wax sparingly and let the machine work for you-for only the thinnest layer of wax is required to give protection and beauty.



Polishing brushes

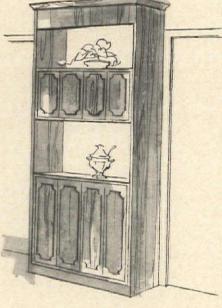
Buffing pads

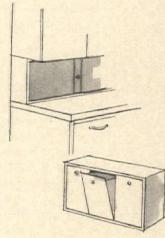
Compactly designed floor polisher with built-in automatic liquid dispenser. Complete with brushes, steel wool, buffers and rug cleaner. \$59.95. Floorsmith by The Shetland Co., Inc.



Above the wall cabinets space which is usually forgotten may be put to work by using the wood or metal tracks now obtainable at most hardware stores or lumber yards. Mount one track on the top of the cabinet; fasten the other to ceiling directly above; fit sliding doors of hardboard or plywood between them. Earmark these cupboards for the storage of items you use only occasionally.

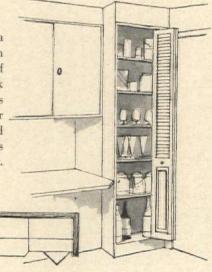
Between two doors you may find unused space just wide enough to accommodate a few extra cabinets. The arrangement sketched, right, is composed entirely of standard wall cabinets, 30" and 18" high by 12" deep, which have been installed with plywood side panels and a molding to give the effect of built-in furniture.





Under the wall cabinets is another possible place for storage which many people forget. The 5 or 6 inches at the back of the countertop, normally unused, can be filled in with a simple shallow cabinet with sliding doors and a shelf. It will hold many of the small items that tend to clutter up wall cabinets. You might add a tilt-out canister cabinet bought in a department store.

Between a wall and a door a shallow cabinet only 6" deep can store a surprising number of things. Fit it with a fold-back louvered door. Shallow shelves are particularly useful for keeping glassware, bottles and extra supplies of canned foods in order and quickly available.



How to choose a toilet seat...

You have two choices. You can simply go out and buy a seat—or you can *choose* one. Making that little bit of extra effort is well worth while, as you will see.

- "SOCIAL SECURITY"—When guests are alone in your bathroom they see and judge—everything. That's why it is important that everything in your bathroom reflect your good taste. A Church Seat, for example, is recognized instantly as a mark of quality.
- CRAFTSMANSHIP—Some seats start to show wear in a year or two and a worn toilet seat can spoil the appearance of an otherwise attractive bathroom. However, when a seat is well made, it will last—and stay good looking—for many years. Church Seats are made of the finest materials, built to assure strength and durability.
- **DESIGN**—Don't consider the purchase of a seat so casually that you overlook proper design. The line of Church Seats includes *all* the desired features large streamlined cover scientifically designed saddle seat—heavy plastic covered concealed hinge—all properly proportioned for snug trim fit on the bowl.
- VALUE—There's a Church Seat for every type of home—from the modest ranch house to the most pretentious mansion. They cost no more than others and are backed by the reputation of Church to satisfy the taste of the most discriminating buyers.

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PARTY SANDWICHES

BY JUNE PLATT

Here are tips and recipes for making sandwiches that are a decorative asset to any party

To make neat sandwiches you need: meat grinder, a chopping bowl, a large and a small bread board, a two-blade chopper, a flexible spatula, measuring spoons and cups, covered containers for storing fillings in refrigerator, fancy shaped cutters and, above all, at least one large, thin, sharp knife and one or two smaller ones. An electric food chopper or blender is helpful, but not obligatory. Add to this a generous supply of waxed paper, freezer wrap. and aluminum foil, and a pair of scissors, and you are set to make sandwiches.

Most bread comes ready sliced these days, some reasonably thin, but if you want paper-thin slices, you will have to do the slicing yourself. There is a gadget available which helps you to cut a normally thick slice of bread in two. It is also possible to ask your baker or delicatessen man to put whole loaves of bread in his electric slicer, and cut the bread as thin as possible. He will also cut it lengthwise, which may be a help if you are endeavoring to make a sandwich ribbon loaf. Bread for sandwiches should be a day old if it is to slice well, but for rolled sandwiches, the bread must be very fresh, otherwise it will not roll properly.

speaking, both Generally slices of bread for a sandwich should be lightly buttered. This is to prevent moist fillings from soaking into the bread and to keep dry ones from slipping out (it also makes the sandwiches taste better) but the butter must be fresh, soft and well creamed before it is spread. The best way to cream butter is to remove it from the refrigerator an hour or so before you will be using it; it may then be stirred with a spoon until soft and creamy. However, to cream cold butter in a hurry, cut it into thin slices, put in a bowl, pour over it a spoonful or two of boiling water, and stir with a fork or spoon. The butter will soften quickly, the water will separate from the butter and may then be poured off. Commercially whipped butter, sweet or salt, is ideal for sandwiches if allowed to soften at room temperature. Butter for sandwiches may also be seasoned with spiced herbs and other seasonings, and used to make spreads.

SPREADS

MUSTARD BUTTER: Add prepared mustard, salt and paprika to taste to softened butter.

GREEN BUTTER: Mix very finely chopped watercress or chopped olives with creamed butter.

HERB BUTTER: To each 2 ounces of butter add 1 tablespoon of finely cut or chopped fresh herbs, or ½ teaspoon of powdered dry herbs. Basil, chervil, tarragon, thyme, rosemary, chives or dill may all be used. Cream the butter, which should be unsalted, add a few drops of lemon juice. Add the chopped herbs, stir well and it is ready for use. If dried herbs are used, add finely chopped fresh parsley for appearance's sake.

ROQUEFORT CHEESE BUTTER: Mix together 1/3 cheese with 2/3 butter.

CURRY BUTTER: Add 2 teaspoons of good curry powder to ½ pound of creamed butter and stir. Add a pinch of salt and a drop or two of onion juice and mix well.

GARLIC BUTTER: Use a garlic press and add a drop or two of garlic juice to ½ pound of creamed butter.

CARAWAY SEED BUTTER: Crush ½ teaspoon or more of caraway seeds and mix well with ¼ pound of creamed butter.

shrimp butter: Pound ½ cup of cooked shrimp to a pulp in a mortar and stir in ¼ pound of creamed butter. Season with salt and cayenne and moisten with 2 tablespoons of lemon juice.

the freshly grated rind of half a lemon or half an orange to ½ pound of creamed butter, and moisten with a tablespoon or more of lemon juice.

HONEY BUTTER: Mix together in equal quantities creamed butter and clear honey and stir into the mixture a spoonful or two of strained lemon juice.

anchovy butter: Rub the yolks of 4 hard-cooked eggs with 4 boned anchovies, and rub through a fine sieve. Stir in ½ cup of softened butter.

It is difficult to give exact quantities for butter spreads and

fillings for sandwiches, but generally speaking, it may be of some help to calculate that 1/4 pound of butter (8 tablespoons) will spread, not too lavishly, 16 slices of bread. It is well to count on 1/4 cup of filling for a normal sized sandwich.

SANDWICHES

CALLA LILY SANDWICHES

Remove crust from whole loaf of fresh white bread, Slice very thin and trim into neat 21/2" squares, then cut off a corner of each square. Lay the pieces on a damp cloth as you make them. Roll liver pâté or American cheese in the shape of the stamens of calla lilies (use well chilled butter paddles dipped in ice water to make the rolls). Butter each square lightly, tuck a stamen in each, and roll to represent lilies, using a little extra butter to secure the corner. Place on flat platter, corner side down so that the lilies will not unroll. Cover with waxed paper and chill until butter has hardened sufficiently to hold shape. Insert a tiny sprig of parsley or watercress at the small end of each before serving. Cream cheese may be used for the stamens, but

in this case stir in a little curry powder to color it yellow and give a little flavor.

CHECKERBOARD SANDWICHES

Prepare well softened plain butter, or your favorite seasoned butter spread. Take 61/2" slices of whole-wheat bread and 61/2" slices of white bread and spread with a thin coating of the butter. Make 4 sandwiches of the 12 slices by putting I slice of whole-wheat between 2 of white and vice versa. taking care to place each top slice spread side down. Press well together, place on flat tin covered with waxed paper, cover with waxed paper, and place a small board on top of the sandwiches to weigh them down. Chill in refrigerator for about 1 hour. Remove from refrigerator and trim off the crusts, making equal-sized 21/2" squares. With a sharp knife, cut crosswise into 1/2" wide slices. Spread the cut side of each with more spread, then stack in piles of 5, alternating brown with white so that the small end of the pile is like a checkerboard and the long is striped. Be sure to place the top slice spread side down. You will now have 4 piles. Place these

on the tin again, cover with waxed paper, and weigh down again with board and chill for another hour. Slice the piles in 1/2" thick slices, arrange attractively on sandwich plate, and serve. This recipe should make 20 sandwiches.

PINWHEEL SANDWICHES

Remove all crust from a very fresh whole loaf of white or brown bread. Slice lengthwise as thinly and evenly as possible. Place slices on a damp cloth. Spread with a little well creamed butter, then with any suitable spread. Roll tightly, short side before you. Wrap each one in waxed paper. Place in refrigerator until filling is hardened a bit. Slice crosswise like jelly roll and serve.

INLAID MOSAIC SANDWICHES

Remove crusts from a whole loaf of whole-wheat bread and a loaf of white bread. Cut in thin, even slices. Stamp out of each 3" rounds of bread, using a 3" cookie cutter. Spread with any butter spread. Using a smaller cutter, stamp smaller rounds out of half the brown rounds and half the white rounds. Put the rings of bread, spread side down, on the

remaining whole rounds of bread, putting brown rings on the white rounds and white rings on the brown rounds. Now fill in the round spaces in the centers with the small rounds of bread, putting brown rounds in the white circles and vice versa, being careful to place them spread side down.

ROLLED SANDWICHES

With a sharp knife cut off all crusts from a very fresh whole loaf of white or whole-wheat bread. Slice as thinly and evenly as possible. Lay the slices as you cut them on a damp cloth and keep them covered with another damp cloth. Spread lightly first with well creamed butter, then with any of the spreads or fillings given above. Roll each slice tightly; place on platter, outer edge down. Cover with waxed paper and chill for half an hour or so. Tuck a sprig of watercress in each end before serving.

RIBBON SANDWICH LOAVES

Remove all crusts from a loaf of white bread and a loaf of wholewheat bread and trim the 2 loaves the same size. Cut each loaf

Continued on page 188



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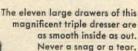
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PARTY SANDWICHES

continued from page 187

lengthwise in five 1/2" thick slices. Spread each lightly with well creamed butter. You will then have 5 long slices of brown bread and 5 of white. Place a white slice on a board, buttered side up, and spread with some finely chopped watercress mixed with very little mayonnaise. Take a brown slice, and lay it, butter side down, on top of the first. Spread with pâté de foie gras softened with an equal quantity of well creamed butter. Cover with a third slice of white bread, butter side up, and spread with finely chopped hard-cooked egg mixed with mayonnaise (2 tablespoons of mayonnaise to 1 egg) and seasoned to taste with salt and freshly ground black pepper. Cover with a fourth slice of whole-wheat bread, butter side down, spread with a little additional butter, then with watercress and mayonnaise, and cover with slice of white bread, butter side down. Wrap the whole loaf in waxed paper and place in refrigerator for half an hour to chill. To make second loaf, repeat the process, starting with a brown slice this time. Loaves may then be sliced crosswise, making striped ribbon sandwiches. Alternatively, slice only one loaf and liberally coat sides, ends and top of the other with pâté de foie gras softened with mayonnaise and garnish with watercress. Place on platter and cut at table in 1/2' thick slices. Serve on small plates to be eaten with a fork.

PLAIN WATERCRESS SANDWICHES

Wash and pick the leaves from 2 bunches of fresh watercress. Dry and place in the refrigerator in a cloth to chill. To make sandwiches, chop cress lightly on a board with a sharp knife. Place in bowl, add a tablespoon of mayonnaise and salt to taste. Spread between very thin buttered slices of white or whole-wheat bread. Trim off crusts and cut sandwiches in half lengthwise.

CUCUMBER SANDWICHES

Peel 2 small tender cucumbers and slice very thin. Cover with ice and chill for an hour. Cut 16 slices of white bread as thin as possible and butter. Drain cucumbers well and pat dry with dish towel. Cover 8 of the bread slices with the cucumbers and sprinkle lightly with salt and coarsely ground pepper. Cover with the remaining 8 slices of bread, butter side down. Remove crusts and cut in two lengthwise. Serve as soon as possible after making. For variety, spread bread with dill butter.

TOMATO AND WATERCRESS SANDWICHES

Wash 1 bunch of watercress, remove all tough stems, drain and pat dry. Chop cress not too fine. Prepare 2 cups of diced, peeled, drained, ripe tomatoes. Season with about 1 teaspoon of celery salt. Add 4 tablespoons of mayonnaise to the tomatoes. Spread on 8 slices of buttered bread. Cover with chopped watercress and second slices of buttered bread. Press lightly together, remove crusts and cut in two or four.

ROLLED ASPARAGUS SANDWICHES

Trim crusts from fresh bread sliced thin, white or whole-wheat. Roll with rolling pin. Spread to edge with soft butter. Lay green asparagus tip across end of each. Roll up, place seam down on cookie sheet. Cover with waxed paper and chill until ready to serve.

TOASTED MARMALADE AND BUTTER SANDWICHES

Spread 4 or 5 thin well buttered bread slices with orange marmalade. Top with another slice of buttered bread. Remove the crusts and cut into pieces about 1" by 3". These may be made in advance. Keep covered with a damp cloth till ready to toast; then toast quickly on both sides and serve piping hot.

PETITS PAINS AU CHOCOLAT

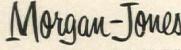
Split small or large soft rolls lengthwise, but not all the way through. Insert in each a bar of good sweet chocolate. Place on tin in moderate oven long enough to warm the roll and soften the chocolate. Eat at once.

CHOPPED WALNUT AND WATERCRESS SANDWICHES

Wash and remove leaves from a bunch of fresh watercress, dry leaves and chop fine. Add 2 tablespoons of finely chopped English walnuts and a very little mayonnaise. Salt to taste. Butter 12 thin slices of whole-wheat bread, spread 6 with filling, cover with remaining slices and trim off the crusts. Cut in four.

PARFAIT bedspread at these and other fine stores:

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*"Mylar" is Du Pont's registered trademark for its polyester film. **"Avisco" is the registered trademark of the American Viscose Corp.

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SHOPPING INFORMATION

All prices approximate. Include Federal tax.

Cover.

Console tables, "Athenian," wrought iron, 30" x 20", \$43 ea., painted H&G Citron; also available in H&G Carnation Pink, Sky Blue, or Mist Green. By Birmingham Ornamental Iron Co. Floor: Amtico "Emerald" vinvl tile.

Black glass plates, "Forget-me-not", \$2.25 ea. By Westmoreland Glass.

Sterling silver flatware, "Continental" 6-pc. luncheon place setting, \$42.50. By International Silver Co.

Salad bowl \$18; bread tray \$10; Serving dish, \$3.50; all black Grainware. At Lord & Taylor, New York. Salt shaker and pepper mill 71/4" h., \$13.50 ppd. At Designed for Living, 131 East 37th Street, New York.

Chafing dish, brass and walnut, stainless steel liner, \$60. At Saks Fifth Ave. Gift Shop, 14 East 50th Street, New York.

Candle holder, brass pineapple, \$32. At the China Cat, East Norwich, Long

Wastebaskets

Pages 106, 107:

Brass basket. B. Altman & Co., Fifth Ave. & 34th St., New York. Carpet, "Kirman," power-looped re-production; 8'8" x 12', \$379.50. By Karastan.

Natural rush basket. Merrill Ames. 41 East 8th Street, New York.

Rug, yellow lemon-shaped rug, green stem; 3' x 5', \$40. Hanlan's-New York, 51 Greenwich Ave., New York. Rope basket. Merrill Ames, 41 East 8th St., New York.

Striped rug, "Vibration," \$9.95 sq. yd. By Gulistan Carpet Co.

Tole basket, B. Altman & Co., Fifth Ave. & 34th St., New York.

Chestnut bucket. Serendipity 3, 225

East 60th St., New York. Carpet, "Cymbal," \$13.50 sq. yd. By Gulistan Carpet Co.

Découpage basket. Chillingworth.

East Brewster, Mass. Carpet, "Florentine," from Ultimo collection; \$30 sq. yd. By Karastan. Laminated basket, Bloomingdale's, 743 Lexington Ave., New York. Rug, "Marimba," 4' x 4', \$19.50; 6' x 6', \$44.95. By Cabin Crafts.

Leather basket, B. Altman & Co., Fifth Ave. & 34th St., New York.

Remodeled bathroom

Pages 140, 141:

Wallpaper. By Pageant Wallpapers, through decorators.

Towels, wash cloths. By Martex. Rug, H&G Crystal Pink pouff. By Princeton Knitting Mills. Porcelain cabbage leaf plate, oval

bowl, apothecary jars. At Doris Dessauer, 228 East 51st St., New York. Electric razor. By Ronson Corp. Wall hung cabinets. By Kitchen Maid

Cabinets. Lighting fixtures. By Lightolier.

Kitchens

Pages 144, 145:

Stainless steel wall ovens, dropped-in stainless steel electric cooking top, four cooking units; combination washer-dryer; dishwasher. G. E. Countertops: White Formica, silver and gold flecks

Pages 146, 147:

Foldaway cooking units. Frigidaire. Freezer, dishwasher, disposer, G. E. Refrigerator, ice-maker. Revco. Surface range with 4 cooking units, griddle. Thermador Electrical Co. Undercounter refrigerator, white front. Kelvinator.

Stainless steel sink bowls, single and double. Elkay.

Oven ventilator; kitchen ventilator. Trade-Wind.

Countertops. Pionite, "White Flitter" pattern. Pioneer Plastics.

Flooring: Amtico Eldorado vinyl floor tile, eggshell and gold.

Pages 148, 149:

Washer-dryer; electric range, four cooking units, double oven; refrigerator; dishwasher; disposer; power storage unit. General Electric. Flooring: Vinyl "Tessera." Armstrong

Cork Co.

Wallcovering: Vicrtex, washable vinyl coated fabric, L. E. Carpenter &

Ventilator, stainless steel hood. Trade-Wind.

Stool, height adjustable 17" to 23", designed by Egon Eiermann. At George Tanier, through decorators. Clock, 14" diam. Howard Miller. Lighting fixtures. Lightolier.

Cookware, H&G Lemon Peel. Voss. White iron stoneware, designed by La Gardo Tackett. Schmid International.

Saucepan, from Designers Group, stainless steel, copper core, Revere. Pyroceram coffee pot, casseroles. Corning Glass Works.

Pages 150, 151:

Panel rug designed by George Wells. F. Schumacher & Co. Typewriter, adding machine, H&G Tangerine, Underwood.

Pages 152, 153:

Universal gas burners dropped in mosaic tile work island; gas ovens, stainless steel. Cribben & Sexton. Stainless steel refrigerators. Revco. Stainless steel sinks, Elkay.

Leisure furniture

Page 161:

1. Coffee table, 24" diam., 18" h., \$115; bird cage, 17" diam., 44" h., \$275; armchair, \$55. By Molla. 2. Redwood garden bench, 46" long, \$56. By Shaver-Howard.

Caning, hand-woven split bamboo; 3' w., \$4 yd., 4' w., \$4.50 yd. At Jamaican Originals, 143 E. 62nd St., New York.

3. Coffee table, 32" diam., 121/2" h., \$85; ottoman, 25" diam., 161/4" h., Continued on next page





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SHOPPING INFORMATION continued

\$60. By John Salterini Co.

Turtle bowls, hand-carved mahogany, \$9.50 to \$24.50. Hat, from a selection \$6.50 to \$10; mahogany planter, copper lined, 17" h., \$45; screen, black lacquer frame, woven rush panels, 6' h., \$110 per panel; rush matting, 6' x 8', \$40, 8' x 10', \$60. At Jamaican Originals, 143 E. 62nd St., New York. Tumblers, "Needlepoint," hand blown, \$1.50 each. By Fostoria Glass. Game, "Go," \$3.50 to \$10. At Azuma, 802 Lexington Ave., New York.

4. Café table, 30" diam., \$19.95; side chair, \$9.95; both from "Debonaire by Aristo-Bilt" group. Salmanson.

Page 162:

1. Table, 42" diam., clear glass top, \$143; side chair, \$55; from Florentine group. By Lee L. Woodard.

2. Director's chair, "Oriental," \$13.50. By Telescope Folding Furniture Co. 3. Chair, designed by Norman Hekler. At Otto Gerdau Co., New York, through decorators.
Milking stool, 17" h., 14" w., ma-

hogany, \$16.50; lighter, mahogany, \$16.50; lignum vitae goblet, \$6; ashtray, brass and turquoise, \$16.50; felt cushion, H&G Empire Green and Absinthe Green, \$25; mahogany magazine rack, brass handle, 13" h., 10" w., \$67.50. At Jamaican Originals, 143 E. 62nd St., New York.

Page 163:

Naga lounge, painted white; 82" 1., 32" w., white upholstery, \$300; from Kyoto group. By Vogue Rattan Mfg. Paper lantern: 30", \$6,80; 24", \$4.90. At Allied Export & Import Co., 241 W. 23rd St., New York.

Page 164:

1. Loveseat, wrought iron, 53" l., 271/2" h., from Arlington House Patio Group, \$54.95. By Plantation Pat-

Cushions and bolsters, \$4.98 to \$7.98. Bloomcraft. Cement cupid 241/2" h., weighs 50 lbs. Antique verde finish, \$62; stone finish. \$52, F.O.B. St. Louis. By Flairtime by Silvestri.

Antique Spanish sweetmeat dish; English terra cotta vase. At Doris Dessauer, 228 E. 51st St., New York. 2. Settee, 60" x 25", \$89; corner chair, \$49; from Directoire group. By Selvite

Mahogany bowl, hammered copper liner, \$95. At Jamaican Originals, 143 E. 62nd St., New York. Hat by John Frederics.

3. Canopy bed, 39" x 78", 90" high, \$500; pedestal, unpainted, \$60. At Mayhew Shop, 603 Madison Ave., New York.

Sheets, canopy, "Fascination" pattern: single sheet, \$3.98, double, \$4.98; pillow case, \$1.30. By Fieldcrest.

Page 165:

4. Mandarin chair, 48" h., 30" w., in muslin, \$142. By Ficks Reed. 5. Armchairs, 40" h., \$55; table, 36" diam., \$92; both from Arbuck collection. By Gallo Furniture Co.

Pitcher, \$8; goblets, \$2.30 each. At Lord & Taylor, New York.

6. Cobweb chair, about 30" diam., \$25. At Hammacher Schlemmer, 145 E. 57th St., New York.

Kabuki towels, \$2.98 ea. By Field-

7. Canopied table, 32" x 32"; Saran canopy; over-all height, 7'8"; \$156. Chair, \$42; both from Pavilion group. By Troy Sunshade Co.

The lattice look

Page 166:

White plates, "Lattice Edge", \$5.95 ea.; goblets, "Old Quilt", \$2.25 ea.; Black glass plates, \$2.25 ea. By Westmoreland Glass.

Sterling Silver Flatware: "Continental" 6-pc. luncheon setting, \$42.50. By International Silver Co.

Salad bowl, \$18; bread tray, \$10; serving tray, \$3.50; all black Grainware. At Lord & Taylor, New York. Salt shaker and pepper mill 71/4" h., \$13.50 ppd. At Designed for Living, 131 East 57th Street, New York.

Flamestone coffee pot, \$15.95; demitasse, \$4.25. At Bloomingdale's, New

Chafing dish, brass and walnut, stainless steel liner, \$60. Wine dispenser, 2-qt. brass base, \$69.50. At Saks Fifth Ave., Fifth Avenue Gift Shop, 14 East 50th St., New York.

Candle holder, brass pineapple, \$32. At The China Cat, East Norwich, Long Island.

Console tables, "Athenian," wrought iron, 30" x 20", \$43 ea. By Birmingham Ornamental Iron Co.

Planting: The Greenhouse, 254 E. 53rd St., New York.

1. Rug, "Bamboo Parquet," by Edward Fields, through decorators.

2. Wallpaper, Woodson Wallpapers, through decorators.

3. Rattan screen, \$42.50. At Mayhew Shop, 603 Madison Ave., New York. 4. Lamp, 25" high, fishnet under plastic. \$25. By Raymor.

5. Bench, wrought iron, antique silver finish, \$97. Flairtime by Silvestri, through decorators.

6. Cachepot, \$32.50. At Bonwit Teller, 721 Fifth Ave., New York.

7. Bed tray, walnut, \$35. At Tomorrow's Heirlooms, 134 Liberty St., New York.

8, 9. Rattan umbrella stand, brass base, \$39.50; rug, red, white and blue, \$10.95. At Bloomingdale's, 743 Lexington Ave., New York.

10. Viking casserole, \$14. At Sweden House, 12 West 50th St., New York. 11. Milk pitcher, Contempri china "Eclipse" pattern, \$5.95. By Paul McCobb, for Jackson, Internationale. 12. Wastebasket, Fornasetti design, \$32.50. At Saks Fifth Ave. Gift Shop, 14 E. 50th St., New York.

13. Warmer, china with brass top, handles, \$25; brass trivet, \$5.98. At Bloomingdale's, New York.

Page 168, top:

Casseroles, 2-qt., \$45, 1-qt., \$25; salad bowl, \$45; individual wood bowls, \$2.75 ea. Earthenware plates, black flower designs on white, 6 for \$24. At Saks Fifth Ave. Gift Shop, 14 E. 50th St., New York.

Flatware: "Continental" 6-pc. luncheon setting, \$42.50. By International. Wine glasses, \$1.50 each. By Gilbey. Basket, split bamboo, \$4.98. Salt shaker and pepper mill, ebony and pewter, \$22.50 set. Ice buckets, cane exterior, 3-qt., \$20; 2-qt., \$15. At Bloomingdale's, 743 Lexington Ave., New York.

Trivets, staved teak; large, \$4.95, small, \$3.95. By Dansk Designs.

Napkins, hand-woven cotton, six hues in each; set of 6, \$6.59. At East House, 1075 First Ave., New York. Bar cart, mahogany case, Carrara glass top, plastic lined drawer; bottle storage cabinet. By Harvey Probber, through decorators.

Bottom

Dessert plate, \$6.50; mug, \$5.50; both French ceramic, hand made, hand painted. At Bloomingdale's, New York.

Fruit knife, \$3; fruit fork, \$4.50; both porcelain handled stainless steel. At Bonwit Teller, 721 Fifth Ave., New York.

Spoons, from "Continental" luncheon place setting. By International.

Fruit basket, split bamboo, \$3.75; Limoges coffee pot, 8-cup size, \$13.50; Japanese porcelain sugar and creamer, \$5 set. At East House, 1075 First Ave., New York.

Cloth, white felt with cut-out design. By S. M. Hexter, through decorators. Craig petticloth, 86" diam., \$20; Carina cotton napkins, \$1.75 ea. At Lord & Taylor, New York.

Chairs, black lacquer frame, twisted cord seat, \$34.95. At W & J Sloane, New York.

Dutch original engraving, mushroom and flowers, framed; 18th c. At Rhoda Sande, 23 E. 67th St., N. Y.

Cook Book

Page 169, cover:

Spode earthenware covered vegetable dish, "Jardin," \$27. At Black, Starr & Gorham, 594 Fifth Ave., New York. Fondue forks, stainless steel, black handles, \$1.25 ea. At Bazar Français, 666 Sixth Ave., New York.

LOOK IT UP

continued from page 114

SCIENCE

Golden Nature Guide Series Zim, Herbert S.

Birds—a guide to familiar American birds.

Flowers—a guide to familiar American wildflowers.

Rocks and Minerals—a guide to familiar minerals, gems, ores and rocks.

Seashores—a guide to shells, seaplants, shore birds and other natural features of American coasts.

Stars—a guide to the constellations, sun, moon, planets and other features of the heavens. Weather—a guide to phenomena and forecasting.

New York: Golden Press. Paper bound \$1 each. Cloth or hard cover \$2.50 each.

MISCELLANEOUS

Shorter Bartlett's Familiar Quotations Bartlett, John. New York: Pocket Books. 1953. 50 cents. Hoyle's Games Revised edition. New York: Whitman. 1958. \$1. Vogue's Book of Etiquette Fenwick, Millicent. New York: Simon and Schuster. 1948. \$5. World Almanac Published yearly. New York: World-Telegram. Paper bound \$1.45. Hard cover \$2.10.

For readers who would like to bone up on some of the subjects which appear between the covers of H&G, here is a sampling of books we consider to be tops in their fields:

American Building: The Forces That Shape It Fitch, James Marston. Boston: Houghton Mifflin Co. 1947. \$6.

New Methods for Home Repair and Improvement Yates, Raymond F. New York: Longmans, Green & Co. 1955. \$3.95.

Taylor's Encyclopaedia of Gardening ed. Taylor, Norman. 2nd ed. Boston: The American Garden Guild, Inc., and Houghton Mifflin Co. 1948. \$5.95.

The Art of French Cooking ed. Winer, Bart. New York: Simon and Schuster. 1958, \$25.

The Encyclopaedia of Furniture Aronson, Joseph. New York: Crown Publishers. 1938. \$6,95.

How to Know American Antiques Winchester, Alice. New York: New American Library. 1951. 50 cents.

The Book of Pottery and Porcelain Cox, Warren E. New York: Crown Publishers, 1944, \$10.

The Book of Old Silver—English, American, Foreign Wyler, Seymour B. New York: Crown Publishers. 1937. \$5.

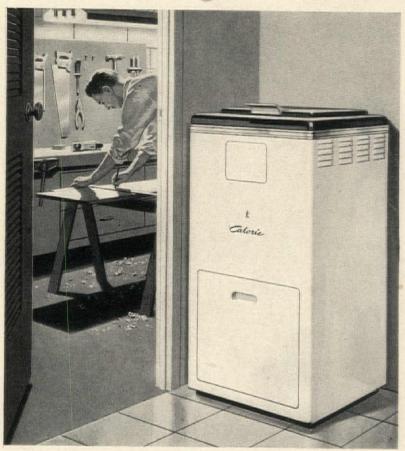
Two Hundred Years of American Blown Glass McKearin, Helen and George. Garden City, N. Y.: Doubleday. 1950. \$6.95.

Prices may vary throughout the country

Manuscripts

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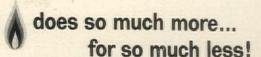
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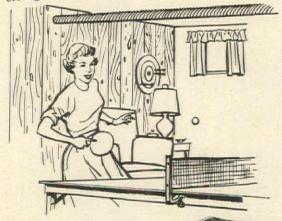
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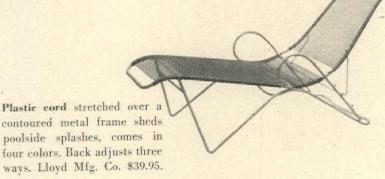
continued from page 162

The news is: the wonderful variety of chaises

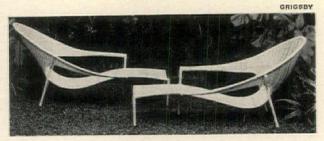
—some for sitting, some for napping,

all light enough to move

easily as shadows cross the dial

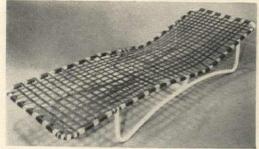






Sweeping curves as restful to look at as to lounge in are fashioned of vinyl-coated rattan, woven over a galvanized metal frame to give it strength. Decorative Imports. \$110.

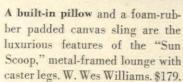




A sleigh base with nonscuff runners is equally kind to paved terrace or playroom floor. Available in 19 baked enamel finishes on aluminum; seven pretty lacing colors. Brown-Jordan Co. \$70.

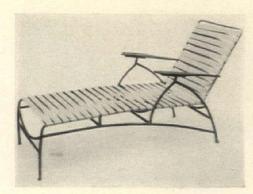
Convertible chaise, a couch for basking outdoors or sleeping an extra guest indoors, has a handsome redwood frame equipped with wheels for easy commuting. Tufted pad comes in cotton or plastic. John Hancock. \$27.



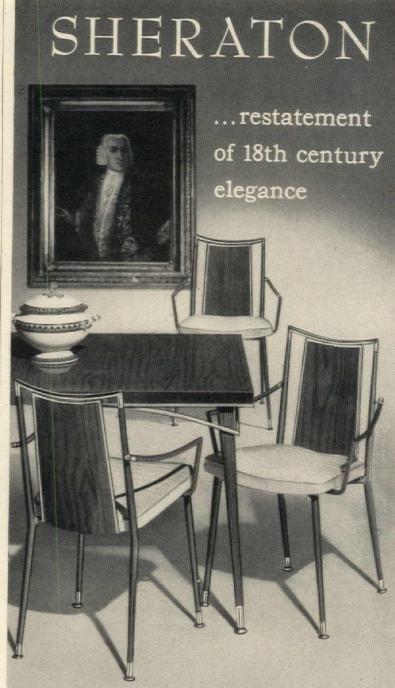


A swivel canopy keeps the sun out of your eyes, off your book. Tie-on cottonor vinyl-covered foam pad spans unusually broad, metal mesh seat. John B. Salterini. \$120.





Criss-cross webbing of resilient vinyl provides air-conditioned comfort, a good combination for the drip-drying bather. Vinyl wraps a firmly braced red or blue aluminum frame. Lawnlite. \$49.95.



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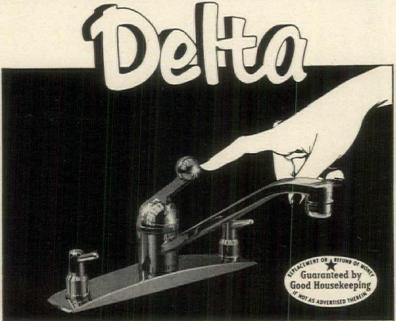
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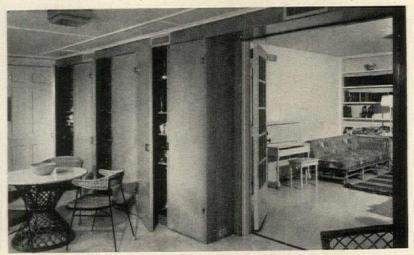
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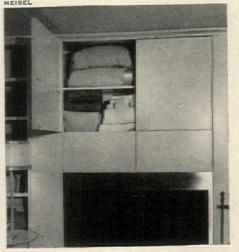
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HOW TO BUILD IN EFFICIENT STORAGE

Additional storage is sometimes the bonus of a remodeling program, but more often it is one of the main reasons for undertaking the project in the first place. In making over an old house, you will probably want to amplify and reorganize the storage so it will be handier and hold more of your possessions. In a newer house the problem may be first to find space for extra storage, then to organize it so every inch pays its way. Here are ten solutions for various rooms—some in remodeled houses you will find elsewhere in this issue.



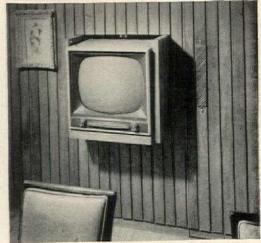
Lining a wall in the Strouds' remodeled house (page 138), a battery of closets 17' long but only 16" deep provides shelves to ceiling for china, silver, linens. The new, flush doors are plywood.



Tucked above fireplace in the sitting room-guest room of the Stroud house is a cupboard for blankets and bedding, which was created when bookshelves and paneling were built around existing fireplace. Architect: Enslie O. Oglesby Jr.

Concealed by wood paneling

when not in use, TV set in the Maslons' remodeled house (page 126) can be pulled out on its sliding shelf for viewing. When pushed back, the set is hidden by folding doors of vertical walnut boards to match this dining room wall. Architect: Ralph Rapson.





Recessed in wall of the Marquis remodeled playroom-kitchen (page 124) is a self-contained pantry which stores glasses, china, linen and place mats near both dishwasher and dining room, and includes space for ironing board. At end of the cabinet, next to planning desk, are shelves for cook books.



At one end of writing counter in the remodeled living room of the Marquis house, a niche was built into the wall with shelves for accessories and a compartment for a Japanese tansu (a set of small drawers). Architect: Robert Marquis.

Continued on the next page







EFFICIENT STORAGE continued

You can add storage to almost any room



Dividing a bedroom in the Anthony Reinachs' house in Scarsdale, N. Y., a freestanding storage wall (good idea for big rooms) separates sleeping area from dressing area. The 12' long rosewood unit has cupboards for blankets and drawers on each side of bed for personal belongings. Behind headboard is storage space for pillows and bed linen. At back of 4' deep unit is a long clothing closet facing dressing area. Night table, right, on each side of bed, is formed by drop drawer-front. Architects, Kramer & Kramer.





Between two rooms-kitchen and dining area-in Dr. and Mrs. Theodore K. Lee's house in Oakland, Calif., a pair of cabinets serves as a partition. Glass shelves open to both rooms; dropdown shelf forms a passthrough counter. Below china shelves there is space to store folding chairs. Architects: Campbell & Wong.

Continued on page 201

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EFFICIENT STORAGE continued from page 198



Adjoining the carport, in the Malcolm Mc-Naghtens' remodeled house in Santa Barbara, Calif., a room was added for storage of luggage, safe, files. Room includes a wrapping counter.



Bordering a walkway between kitchen and carport of McNaghten house, a storage wall with a whole series of compartments for trash cans, garden tools and supplies helps to eliminate clutter from the carport and adjoining yard. Architect: Lutah Maria Riggs.

Under bedroom windows in Dr. Frank Wanamaker's Seattle house, a counter-cabinet, 13' long, affords a lot of extra storage space for personal belongings. Each cupboard is about 2' wide, 18" deep. The marble top serves as a dressing table. Architects: Terry & Moore.





They sit at the summit



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BRING AN OLD BATHROOM

When you remodel a bathroom in the house where you are living, you will have to expect about ten days of inconvenience and discomfort. But there are certain steps you can take to help speed up the work so that your daily routine will not be disrupted for too long. First, clear a path from your service door to the work area. Push aside furniture, cover rugs, and remove decorative accessories so that workmen trekking back and forth will not be slowed down by having to tip-toe around furnishings vulnerable to soil or breakage. Even though a contractor will be in charge of the work, arrange to have a responsible member of the family on hand at all times to take messages for electricians, plumbers and carpenters, and possibly to receive and sign for materials. You can also help to speed construction, when you are planning your remodeling, by selecting stock items that are easily and quickly installed such as those, below, which H&G used in remodeling the bathroom on page 140.



Lavatory with built-in faucets offered an important plus: no additional holes for faucets had to be drilled in the newly built plastic countertop.

A pull-out rod was installed at one end of the tub enclosure to hold drip-dry laundry, keep it out of sight. Wrinkled clothes can also be hung on rod to be steamed with shower door closed. Vertical grab bar over tub is essential safety device for tub-showers.



UP TO DATE continued from page 140

Here is a step-by-step log of the work required to remodel the bathroom on page 140



The plumbers came in first to disconnect and remove the old tub, lavatory and toilet. Then carpenters took out the old cabinet and ripped up the linoleum floor. The first step in rebuilding was to fur out the wall and ceiling around the tub at the end of the room and also the wall above the lavatory. All of the heavy preparatory work took about two days.

The carpenters hung the storage cabinets (standard kitchen wall cabinets) and the new illuminated medicine cabinet which was connected to the existing wall outlet. After the plumbers had set the new tub in place the carpenters sheathed the furred-out walls with plywood. The old wallpaper was sanded down and then washed.





The owners hung the new wallpaper and laid the vinyl floor tiles (only feasible doit-yourself parts of job) after a smooth surface of 3/4" plywood had been laid to bring floor up flush with level of marble slab, required by code, under toilet. Laying tiles over slab eliminated considerable cutting and fitting. Final step: plumbers returned to connect tub, lavatory, toilet.

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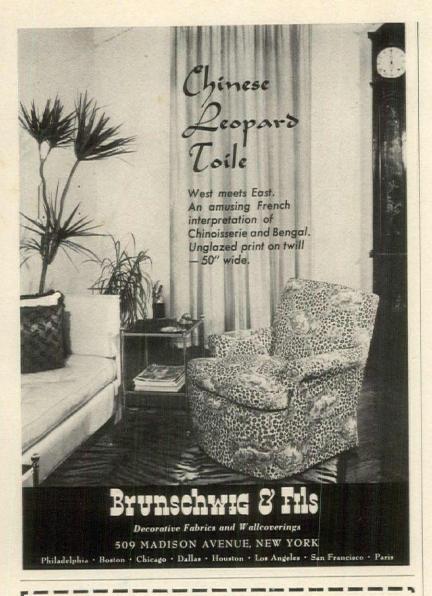
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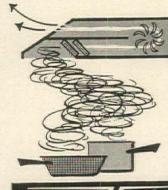
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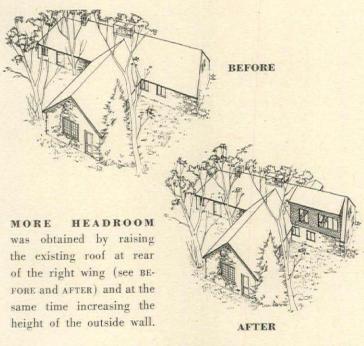
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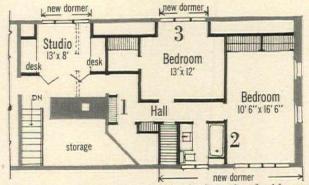
REMODELING

BUILDING TO REMODEL AN ATTIC

You may find it more feasible to expand vertically than horizontally, and it can be more economical

If you are planning to remodel an attic, the first thing to check is the construction of the floor. The joists must be strong enough to support whatever new activities you want to move upstairs. Possibly the floor was not originally designed to be walked on continuously, in which case it may have to be braced. The next important point to check is insulation. Any you may find in the existing attic floor should be removed (since it will block heat rising from the floor below) but the walls and ceiling must be fully insulated for year round comfort. Another important consideration is headroom. You may have to raise the roof (see page 143) in order to obtain a large enough area with a full 8-foot ceiling—as Mr. and Mrs. Tom Funk did when they remodeled their house in Westport, Conn., to provide new bedrooms for their two daughters.





TWO NEW BEDROOMS, a study, bath and valuable new storage space were created by partitions (see black lines in plan) which required only the simplest kind of framing and sheathing. (The gray lines on plan indicate original attic.)



A NEW LINEN CLOSET,

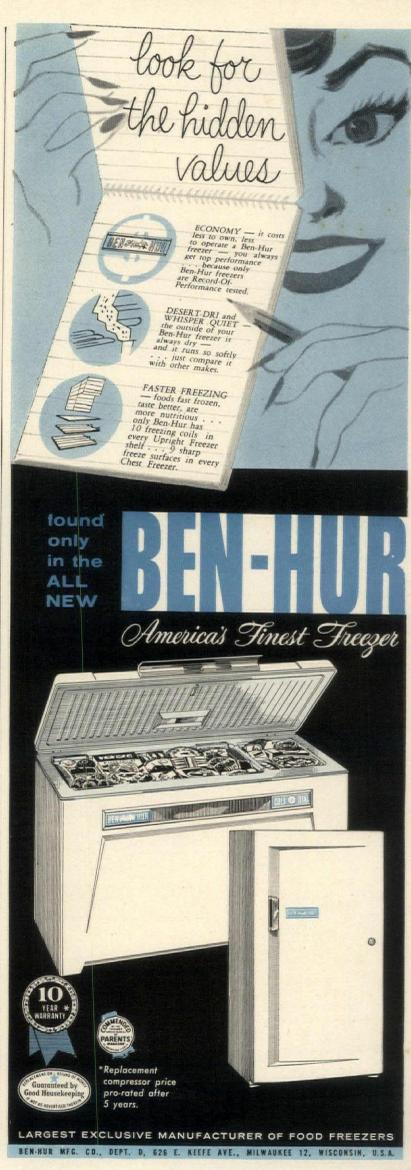
(1) on plan, was built on top of concrete ledge at one end of chimney which rose through attic. (Ledge would have been costly to remove.) Doors at left of closet lead to storage space under the low-ceilinged eaves.







GENEROUS DORMERS, 8' wide, in smaller bedroom (3) and studio (at front of house where roof was not raised) are more satisfactory than standard dormers usually used for remodeling jobs.



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When you remodel your house REMODEL YOUR LIGHTING

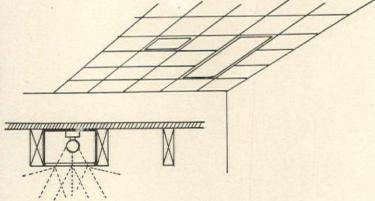
Improved lighting is an essential part of any remodeling project, for the minute you change the shape or size of a room, you automatically change the lighting requirements. The lighting will have to be newly balanced in any case, and if the room is enlarged, the total amount of light will have to be increased as well. Again, if you bring in more daylight by enlarging the windows, you will want to increase the amount of artificial light in order to avoid too sharp a change in the mood of the room after dark. Whatever new lighting effects you want, you will probably find them easier to achieve while remodeling, since it is comparatively simple to install modern devices such as concealed strip lighting or recessed ceiling lights at the same time you are paneling a wall, putting in a new ceiling or building new storage units.

Whether you are altering one room or adding a whole new wing some of the lighting ideas you might consider are:

- Floor outlets directly under the furniture on which table lamps are to be placed. (One good reason for working out your new furniture arrangements in advance.)
- Dimming devices that control all the lights in a room, so you can vary the light level.
- · Silent-action light switches.
- Automatic switch plates to install in closet door jambs so lights go on when doors are opened.
- Strip lighting inside the curtain valance over a window-wall, to stand in for daylight when the curtains are drawn—or outdoor lighting to provide a night view through the uncurtained glass.

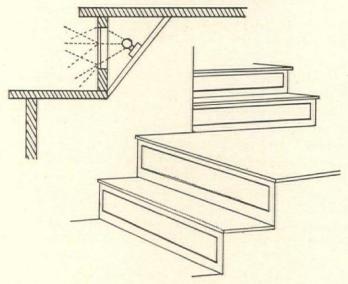
Here are three modern lighting techniques which might be adapted to a variety of remodeling projects:

1. Flush lights in the ceiling



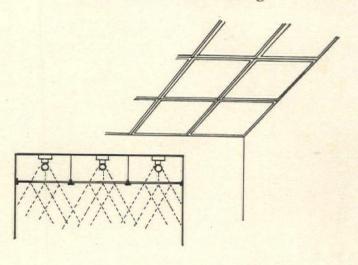
This is a useful form of light to incorporate in any new ceiling, but it is especially good for basements where ceilings are likely to be lower than 8' and hanging fixtures would get in the way. So before you finish your basement ceiling, take advantage of the 10" or more of space between the joists to house ready-made fixtures that include lamp sockets, casings and diffusers. These come in squares and rectangles and may be installed so diffusers will be flush with finished ceiling.

2. Stair-tread lighting



When you expand your living space by remodeling the basement or the attic, make sure that the stairways up and down are well lighted. A single ceiling light often creates heavy shadows on a stairway—especially on one that turns—so it is safer to light the treads. On a straight stairway, a light for every third step would be adequate but every second step of a turn should be lighted. Since the risers between the steps do not provide important structural support, they can be removed and a low-wattage lamp installed behind each one. Risers can then be replaced by sheets of unbreakable plastic. Lights should be wired to controls at top and foot of stairs.

3. A luminous ceiling



This device turns the whole ceiling of the room into one broad lighting fixture. It is particularly good for small rooms such as an entrance hall, where it creates a welcoming glow, or a small bathroom or kitchen, where it provides an even level of over-all lighting. The proportions of such rooms are often improved by lowering the ceiling to less than the standard 8'. Attach a series of fluorescent fixtures directly to the ceiling. Hang metal frames for diffusers at least 12" below the ceiling by means of metal straps. Diffusing panels of glass or plastic rest on the frames in such a way that they may be removed easily when the lamps need to be changed. The true ceiling above lamps should be painted white to reflect light.



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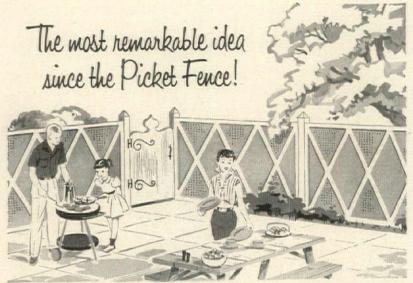
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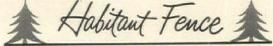
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PRACTICAL TIPS FOR SUCCESSFUL REMODELING

continued from page 143

If I remodel my house, will I have to put in a new heating system?

Not necessarily. If you knock down interior walls and rearrange rooms you may have to relocate some of the heating outlets (possibly ducts and pipes, as well). But unless you actually enlarge the house you will not need any more heat so your furnace or boiler need not be changed.

How much living space can I add without increasing the capacity of the heating equipment?

Approximately 400 square feet, if your house was built after World War II. Since then, most heating engineers have made a practice of recommending heating plants of somewhat larger capacity than their calculations actually called for—just to be on the safe side. If you are adding a small wing, remodeling a basement or finishing an attic, chances are your present furnace or boiler will be adequate and the new pipes or ducts can tap the existing system.

If your house was built before World War II, any increase in its size may call for additional heating capacity. In any case, your heating equipment should be checked thoroughly by a reputable heating contractor before you start your remodeling plans.

What is an economical way to heat a new addition?

Install built-in gas or electric heaters in each room. While existing furnaces or boilers can sometimes be adjusted to produce more heat, this practice is not recommended by most heating equipment manufacturers. Since the capacity of the heater determines the size of all the other compo-

nents of a household heating system, they too might have to be enlarged if the capacity of the heater were increased—and you would end up, unnecessarily, with practically a whole new heating system.

What is the best type of built-in room heater?

The newest models are more efficient, better looking, and less expensive to operate than the earlier versions made just after World War II. At the bottom of the page are two that are typical. Each is available in a range of prices. The baseboard unit comes in varying lengths and is hooked up to the household wiring system. The wall unit has its own thermostat to control the amount of heat produced. Both units are powered by electricity, but gas heaters, equally well designed, are also available. A vent to the outside must be installed with each gas heater.

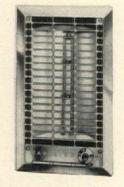
Must a furnace or boiler be replaced after it is a certain age?

No. Heating equipment of all types, properly cared for, has been known to give first-rate service for as long as forty years. But older equipment is likely to be big and clumsy. Its unwieldiness might prove a stumbling block in remodeling if the heater, for instance, is located in the middle of the basement. The new furnaces and boilers are much more compact and work with great efficiency, which usually means lower fuel bills. But these savings must be weighed against the cost of replacing existing equipment. A professional appraiser of houses would be the best person to help you make a sound decision.

Continued on page 229

New room heaters are efficiently designed to produce a maximum amount of heat for a minimum amount of electricity. The same types of heaters are also available for use with gas.

Right: electric wall heater; below: electric baseboard heater.





LET YOUR GARDEN FLOWERS GO WILD

BY JEAN HERSEY

Y ou have heard about the pleasures of bringing wildflowers from woods and meadows to your garden. Now, for an equally pleasant switch, consider letting some of your garden flowers run wild. Many perennials that grow in quiet dignity in your well ordered, well weeded border will, if permitted, happily contribute to another area the same color, fragrance and beauty they afford in the garden. Suppose you let them run loose in your own meadow or woods. Your own "meadow", incidentally, need not be acres but perhaps just that area over behind the paper burner, along the drive or wall, any place that is not mowed lawn or cultivated bed. Neither need your "woods" be huge—a few trees casting shadows and shade and supplying a little protection are woods enough for this project.

Wherever you set them, when flowers naturalize they become as independent as the meadow blooms themselves, needing no watering, no weeding, no feeding, no care. This suggests an ideal way to simplify your gardening life without losing beauty—but rather gaining it. For after all, many of our garden flowers were once wild; the primly domesticated state in which we are used to seeing them isn't their natural one at all.

I was first inspired to experiment one day towards the end of summer when I found iris and corn trying to occupy exactly the same spot in our vegetable garden at the very same moment (we always grow flowers in the vegetable garden). I started uprooting the iris but it was so hearty that I simply could not bear to throw it away. Neighbors and friends took some but there was still plenty left. Shaking the soil out of the roots, I filled the little garden cart many times and pulled the iris down to the south meadow to a spot where it is sunny all day and slightly boggy. With no heart for digging among the nubbles of tough grass (also in a spirit of experimentation) I mere-

ly dumped the plants, though I did take the trouble to set them right side up. Picking up some loose hay that lay nearby (the meadow had had its annual cut a few weeks before) I tossed it over the rhizomes and promptly forgot them. This year up came the iris full of vigor and all of them blooming like mad. You might not succeed as casually with many perennials but in ways not much more complicated you can return to the uncultivated areas of your outdoors a great number of flowering plants. And the rewards will be great. Instead of that iris cluttering up our vegetable garden, where it needed weeding and some care, it now enhances the meadow and never a lick of attention does it receive except when we go to admire or pick.

You can be too careful

After we pursued the same philosophy in our small perennial border (we had one briefly), it was so uncluttered it became non-existent! But the plants that were in it have multiplied in the meadow, along our stream and against the stone walls where we scattered them. They are now producing flowers in far greater numbers than when they were confined to that limited border.

My mother's favorite flower was lily-of-the-valley. I always wanted some but hesitated because of the need for clearing an area, making a bed, keeping it tended. There is no place for such a bed on our wild meadows. But one day when walking in the neighboring woods we came upon remnants of a long since vanished house-only a bit of stone from the old cellar wall was left standing. The whole area in and around this was one mass of lily-of-thevalley-so solid and dense that no weed could perk up in its midst. If lily-of-the-valley would do that here, why not for us? With permission, I dug up some of the plants and settled them under the trees along our old stone wall.

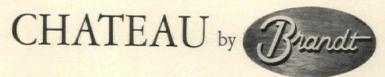
Continued on page 221



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WHEN IS REMODELING WORTHWHILE?

continued from page 119

may be worth \$1,500; installing a new kitchen (even without changing the plumbing around very much) can easily come to \$3,000; and adding a new wing will probably cost at least as much as the old house was worth years ago, when you first bought it. Nevertheless, it is possible to save a good deal of money if you remodel your house in a fairly intelligent way rather than haphazardly. One thing you should probably not do is try to do your own sub-contracting for all the different trades and materials that go into a remodeling job. Being a general contractor (which is what you would be attempting) is quite a sophisticated business, and it takes a great deal of scheduling and juggling with materials and men that the average layman, however bright, is not equipped to do. Moreover, if you try to deal with subcontractors directly they are likely to quote you a higher price because they know that any job run by an amateur is almost certain to turn into chaos in no time at all. So here, again, it will pay to stick to the experts.

An expert, if he knows his job, will give you several bits of advice worth taking. For example: If you decide to replace the old heating system, you will be well advised to insulate your house properly at the same time-for the simple reason that a well insulated house needs a smaller heating plant than a poorly insulated house. And while you are replacing the old system, you may also be well advised to consider several new systems that have been perfected since the old house was built. If you have a basement or a "crawl space" under your ground floor, you may be able to put in a very efficient, very economical warm-air system that can double as a cooling system during the summer months. If you have to increase the capacity of your wiring system anyway, and you are lucky enough to live in an area where the electric rate is two cents per kilowatt hour or less, you may be well advised to look into electric heating. As a rule it is the cheapest system to install, though expensive to operate except in lowrate localities. But electric heat sometimes makes good sense in remodeling because you don't have to cut into existing walls, partitions and floors to install new ductwork or pipes, or it may prove a good solution for heating a new one-room wing.

An expert can also save you money if you have to rewire your house. Nowadays, people use more and more floor lamps, table lamps or wall brackets-so the obvious place to carry your wiring is close to the floor (perhaps in one of the hollow baseboards now made for this purpose) rather than in the ceiling, where we used to put most of the wiring and some electricians still put it. And an expert can help you in locating a new bathroom or in moving around your kitchen. If you can place new fixtures where they can be connected to existing water supply, drainage and vent pipes, you will be saving yourself a great deal of trouble and money. Finally there are ways of sav-

ing money in refinishing the surfaces of the house. A good rule of thumb, in this field, is to leave well enough alone: don't tear down plaster, don't tear up old floors, don't tear off old siding if you can possibly help it. Just cover up whatever is there. There will be times, of course, when you have to remove finishes that have deteriorated badly and will tend to affect other parts of the house. But unless this is so, it is much better to cover up the existing surface with furring strips, then attach the new finished surface to these. You may lose an inch or two of floor space by doing this, but the lost space is by no means wasted, for the air spaces created between the old and the new surfaces give you added insulation and can conceal additional wiring. In remodeling a basement, for example, the air space between the old basement walls and floor and the new wall and floor surfaces will help keep the place dry.

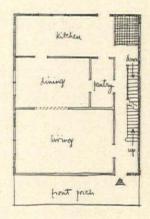
Face-lifting alone is not really the most difficult remodeling problem. The reason many people move to a new house is that they need more space—or more space of a different kind and in a different place.

Most older houses built before the depression of the Thirties
did have a lot of space, though
much of it, by today's standards,
was in the wrong places. But
houses built immediately after the
end of World War II were often
much too small to start with, and
are inadequate for anyone today
except a bachelor who spends
most of his time out of town. Yet
many families have continued to
hang on to these houses because
of their relatively good location

and their basic economy. In any case, the too-big (but impractical) house represents remodeling problems different from those of the too-small house.

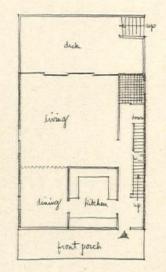
The chief thing that is wrong with the houses built in the Nineteen Twenties and earlier is that they usually face the street. The front porch was a great thing in its day, when the street was a kind of communal meeting place. But now that most of our streets have been turned into gasoline alleys—and now that we have learned quite a bit about outdoor living in rear gardens—a house that faces the street has ceased to be satisfactory.

There are many versions of the street-oriented house, but most of them are generally similar in plan. First came the front porch; next came either a center hall or a hall along one side of the house, with a stair leading up to the bedroom floor. Off the downstairs hall, there would be the living room and the dining room (both of which, in the center-hall plan, faced the street); and, finally, there would be the kitchen and pantry to the rear. Sometimes there might be a kitchen porch in back of the kitchen itself, and this would effectively block the view of the garden behind the house. Originally the plan might have looked something like this:



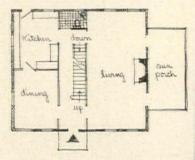
STREET-FACING HOUSE OF TWENTIES

Any plan laid out this way should really be turned around, back to front, to work properly according to today's standards. The kitchen should face the street and control the front door entrance; the living area should face the rear garden—possibly through some large, glass doors. Needless to say, all this involves some fairly complicated and costly remodeling, but everything else being equal, it may be worth the expense. After remodeling the plan would look like this:



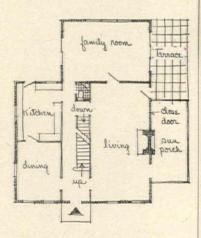
STREET-FACING HOUSE REMODELED

A type of house very popular in the Nineteen Thirties also had a center hall, but the living room was placed at one side of the house so that it looked out both on the street and on the garden:



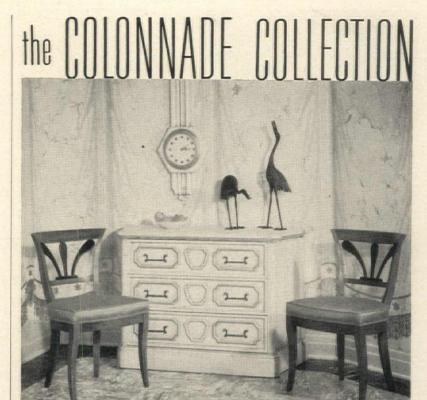
CENTER-HALL HOUSE OF THIRTIES

Such houses can be expanded fairly easily at the back, if the lot is deep enough—and there is no need to move the kitchen.



CENTER-HALL HOUSE REMODELED

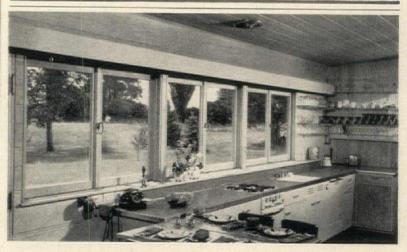
The too-small house is something else again. Generally, the too-small house is likely to sit on a too-small lot—sometimes only 60 feet wide. The first thing to find out (if you own such a house) is what your local zoning ordinance has to say about how far you Continued on page 228



The No. 1078 Low Chest has exceptionally graceful lines. It is shown with a beautiful White and Gold finish as is the No. 201 Linenfold Clock. The No. 56 Chairs are richly finished Fruitwood with plumes in Black and the foam rubber cushions are covered with Douppione Silk. All designs are by Robert Kuykendall and are but a few of over 70 pieces for the living room, dining room and bedroom. Consult your dealer about the "Colonnade Collection"

The "Colonnade Collection" folder is available for 10 cents

Jamestown Lounge Co. Jamestown, N. Y.

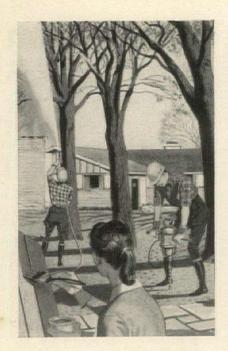


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Open your kitchen to the outdoors by installing a row of beautiful Andersen Gliding Windows over your sink. They'll admit oceans of cheerful sunshine and fresh air. Close weathertight to seal out drafts and dirt. And they'll let you keep tabs on backyard play while you work . . . or enjoy a restful view. Get 32 more ideas FREE by mailing the coupon below. For additional planning help, consult your architect, builder, lumber or millwork dealer.



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No. of Lot, House, etc., in case of	CONTRACTOR OF THE	To: Andersen Corporation, Bayport, Minn. HG-40
		Please send my FREE copy of "32 Ideas for Window Beauty" plus other planning tips.
	Name	
	Address	
	City	Zone State



FIRST THINGS FIRST Let Davey feed and spray your lovely trees

Sprucing up the man-made furnishings of your outdoor living room can wait—at least until you protect the *living* furnishings. Your priceless trees! How little care they require! What joy they give!

Now, at the beginning of the growing season, your trees need Davey professional deep-root feeding. Spraying, too. To protect them against the ravages of insects. To give you a summer full of lusher, lovelier foliage.

Davey tree care has a threegeneration reputation for satisfaction. Davey experts are schooled and experienced to give *t.l.c.* tree-loving care—with the most modern equipment.

This summer, surrounded by cleaner, healthier, more luxuriant trees, you'll be glad you did first things first in your outdoor living room. Look up DAVEY TREE SERVICE in your phone book or write to

DAVEY TREE

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MARTIN L. DAVEY, JR.
President

THE OLDEST AND LARGEST TREE



H&G's GARDENER'S

LET THE MECHANICAL MUSCLES DO YOUR GARDEN PUSH-UPS

Since the dawn of time, man has spent most of his waking hours devising ways of avoiding hard work. Nowhere have his efforts been more purposeful than in the garden—perhaps because gardening is essentially an enjoyable pastime, and anybody knows you do your best work when you are enjoying yourself. So the humming, purring, buzzing and roaring noises you hear in the nation's backyards come from some of the most astonishing labor-saving machines ever devised. And because gardeners are becoming masters of these machines with unexampled proficiency, you are now seeing some of the loveliest gardens on record, too. Use machines for garden drudgery, keep hands for garden craftsmanship—the more time and effort you save with the one, the more time and devotion you can spare for the other. So here is H&G's 1960 concentrated capsule summary of what's new in the newest garden-saving—and possibly people-saving—machinery, supplies and equipment.



IN THE GARDEN, AT LEAST, MAN IS TRULY THE MASTER OF HIS MACHINES

MONTH

Working on the theory that you can't enjoy your garden if you run yourself ragged taking care of it, we devote these April pages to garden maintenance

1 lawn care



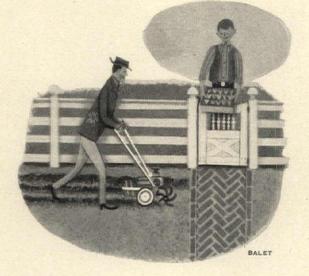
OBJECTIVES: To reduce lawn mowing, trimming and sweeping to the briefest, simplest terms consonant with neat and healthy turf. Some home owners relish exercise walking behind a mower; others must ride at all costs. (It takes all kinds to make a lawn.)

TRENDS: Toward complete removal of clippings from lawn at mowing time or immediately thereafter, as opposed to tossing clippings back on grass as a mulch (fashions in plant culture change as do fashions in plants). Most notable features of new mower models: provision for grass catching (mechanically or by suction); also mechanized sweepers (to reduce pushing). Some mower makers stress "pulverizing" of clippings. Electric starters appear to be de-emphasized. Colors are ever gayer.

WHAT TO BUY: Still the same story: top quality reel mowers for table-top turf; rotaries for averagesmooth to meadow-rough grass. Ride as you mow on big lawns; save time and walk on small areas. Basis for choice: first, an established brand; second, a dependable dealer who will service competently the brand he sells. Avoid cheapest "competitive" models.

COSTS: Walking rotaries, \$75 to \$150; riders, \$100 to \$275; reel types, \$90 (walking) to \$700 (riding). Trimmer-edgers, \$40 up. Sweepers, \$35 to \$50; power, \$100 to \$200. Good non-power reel mowers, \$30 to \$40.

2 tilling



OBJECTIVES: To stir, turn or crumble the soil without actually pulverizing it. To get adequate power for reasonable ground speed, yet maintain slow turning or tilling speed.

TRENDS: Toward small riding tractors, with attachments; also walking power units adaptable

to several accessories. (Portable hand-held power tillers are worth watching.) WHAT TO BUY: Single-purpose tools or power unit lines with heavy duty attachments and a first class,

convenient power hook-up or "hitch."

COSTS: \$100 for single duty walkers to \$700 plus for day-in-day-out tractors.

Continued on next page

Cut it with

New Wiss Hy-Power Pruning Shears, with fitted vinyl grips, cut toughest limbs with ease. This No. 907-G. \$3.25 at hardware, garden supply, and department stores everywhere. Others from \$2.75 to \$4.25.

Ask for your copy of the authoritative WISS PRUNING GUIDE from your nearest Wiss dealer, or use coupon below to order it direct.



OTHER FINE WISS **CUTTING TOOLS**



Easiest cutting grass shears made! Special vinyl "comfort" grips protect hands. \$2.75. Others from \$1.39 to \$4.95.



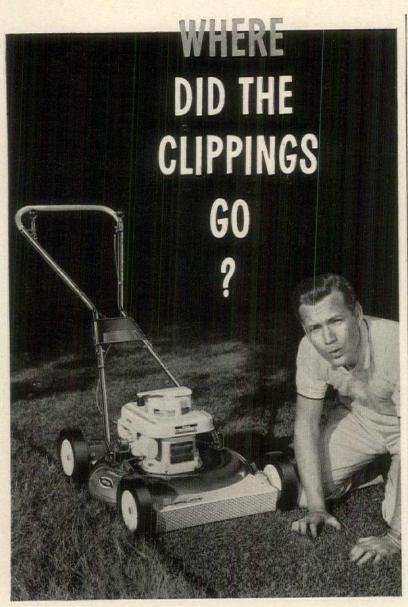
"Landscaper" model is perfectly balanced. Tapered concave blades; one edge serrated to prevent slips. Others from \$2.89.



Perfect for heavy trimming. Wide blade opening for maximum cutting capacity. Keenly edged blade...handy closing latch.

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NEW ORBIT-AIR

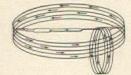
makes grass clippings disappear like magic as you mow

You'll be amazed! Grass clippings are gone! Once over and it's all over with the revolutionary new ORBIT-AIR! Your lawn is clean, smooth, beautiful, with no clippings to sweep or rake. The grass clippings, held in orbit until cut to fertilizer size, disappear into your lawn as you mow. The fine-mulched particles penetrate to the grass roots — giving your lawn that "putting green" look. Leaves disappear just as easily — wet or dry. You mow, clean and mulch your lawn in one operation with the ORBIT-AIR.

ORBIT-AIR is truly safe, too! ORBIT-AIR is the safest mower built. Its ground-hugging, fully enclosed steel orbit chamber, safety guards, front and rear, and adjustable flip-guard discharge cover assure complete mowing safety.

ORBIT-AIR — \$99.95. Heavy Duty Model — \$114.95, f.o.b. factory. (Prices slightly higher West of the Rockies and in Canada.)

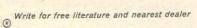
The most important decision in the life of your lawn — is when you decide to buy an ORBIT-AIR.



In the torus-shaped chamber of the ORBIT-AIR the exclusive multi-pitch blade cuts and recuts the clippings into fine particles as you mow, providing organic mulch for a healther lawn.



If you prefer not to mulch your lawn, just snap on the ORBIT-AIR bagging attachment. (optional accessory)



FOOD MACHINERY AND CHEMICAL CORPORATION South Milwaukee, Wisconsin

MECHANICAL MUSCLES continued



3 fertilizing

OBJECTIVES: To supply, with as little effort as possible, the basic and special nutrients needed by lawn grasses and plants generally to meet the critical demands of

fussy gardeners or proud home owners (or both).

TRENDS: Toward "lightweight" fertilizers (more concentrated nutrients, less bulky "carriers"); delayed-release sources of nitrogen (to reduce frequency of applica-

tion); granular compounds (to retard or prevent deterioration). Soluble concentrates still good.

where to buy: From garden and supply dealers, distributors and retailers who handle established brands or, where region or climate impose special conditions, to meet

suggestions of county agents, experiment stations.

Variable. H&G's rough rule of thumb, based on yearly need of lawns for about 4 pounds of nitrogen in one form or another: from \$10 to \$20 per 1,000 sq. ft. of

cultivated growing ground per season.



4 plant protection

OBJECTIVES: To prevent injury to plants from attacks by insects and diseases if prevention is possible; to cure infes-

tations when they are observed; to eliminate competition from undesirable organisms or plants (weeds, crab grass) that threaten good plants.

TRENDS: Toward pesticides that will control large numbers of common insects without developing insect resistance to chemicals or endangering human or other animal life; toward pre-emergence herbicides, e.g., crab-

grass preventers and selective weed controls.

WHERE TO BUY: Same recommendations as for fertilizers. And this goes for the equipment with which you apply the

materials, since it often may be the same, e.g., spreaders and hose applicators.

COSTS: Impossible to estimate, though pre-emergence herbicides may cost up to \$20 per 5,000-sq.-ft. lawn.





5 plant grooming

OBJECTIVES: To keep roses, fruit trees properly pruned and shaped; to remove cleanly and safely injured branches of trees and shrubs; to trim hedges, train

espaliers, rake lawns, beds and borders; to dig holes.

TRENDS: Toward stainless blades (except for very big or critically tempered tools); toward better, cleaner, more functional design (fake "streamlining" aside);

toward more dependable powered hand tools.

WHERE TO BUY: Good garden supply dealers and hardware stores franchised by reputable makers of saws, hedge clippers, cultivators, secateurs (anvil and scissors).

COSTS: Hedge trimmers (electric), \$30 to \$40. Secateurs, \$3 to \$5. Saws and hand pruners, \$3 to \$10. Rakes, hoes, spades, etc., \$3 to \$5. Others variable.



6 watering

OBJECTIVES: To get adequate amounts of water into the ground rapidly yet gently enough so soil is neither washed away around plants nor compacted over roots.

TRENDS: Toward no-splash, no-wash hose waterers (perforated plastic, old-favorite canvas, dribble nozzles, atomizing sprays); toward jet impulse sprinklers,

forated plastic, old-favorite canvas, dribble nozzles, atomizing sprays); toward jet impulse sprinklers, which may do a better job in areas of low water pressure than some oscillating sprinklers. Do-it-yourself underground sprinkler kits are deservedly on the wane, though the plastic piping that gave them initial impetus is of increasing landscape importance.

WHERE TO BUY: Regular garden equipment sources.

COSTS: From \$2 for a good cast-brass nozzle to \$25 for a fine sprinkler that will last you twenty-five years.



Do flies, mosquitoes and gnats keep you indoors? Do weeds, crabgrass and brown spot mar the beauty of your lawn? Will insects and disease blast the beauty of your flowers and shrubs and destroy your fruit? You need the right Hudson Sprayer or Duster to apply the right pesticide easily, economically and quickly, in the right amount, right place and right way.

A good example is the STROLLER*. You get full coverage...under leaves (where so much damage starts) as well as over leaves. The exact spray pattern...cone or fan...fine or coarse uses less pesticide yet gives you full control. The Stroller with Red-Cap* cart is only \$16.95*. The Red-Cap cart, which puts any Hudson Sprayer on wheels, only \$2.95* for early buyers...regularly \$4.00*.

See These and Many More at Your Hudson Dealer

- A. SIMPLEX® Inner-Seal Sprayers. Finest, most efficient made. Seal from within. 3 gal. \$17.95*, 4 gal. \$19.95*.
- B. SAF-T-LOK® SPRAYERS. Charge in fewer strokes. 2 gal. Favorite® \$11.95*. Other models \$9.90* to \$12.95*.
- C. LEVER PUMP-UP SPRAYER. Light, easy, quick pump-up. Futura® 3 gal. \$18.32*, Rolero† 6 gal. \$39.50*.
- D. HYDRA-GUNS®. Handy high pressure. 2 quarts. Single action shown \$5.95*. Continuous action model \$6.95*.
- E. ECLIPSE† Stainless Continuous Sprayer \$7.95*. Others in tinplate and glass from about 47¢* to \$5.95*.
- F. BANTAM® Crank Duster. Powerful, easy turning. \$10.95*.
- G. ADMIRAL[‡], Most wanted duster, Dusts under as well as over leaves. \$2.95*. Others from 89¢* to \$2.75*.

POWER SPRAYERS. Ideal for larger homes and estates. 7 gal. Comando® \$129.50*. 12 gal. Suburban+ \$143.50*.

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*Suggested Retail Price F.O.B. Factory



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GARDENING

HELPS

BOOKLET



to see if dropped in grass!



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STANLEY



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Don't miss one minute of your favorite relaxation . . . Get away from your everyday cares . . . Garden rain or shine . . . day or night . . . iust any time you please in one of Lord & Burnham's spacious, "climate-controlled" Orlyts. Fill it with your favorite plants and it will become the most enjoyable spot in your home.

enjoyable spot in your home.

And you can afford a greenhouse . . . there's a style and size to fit every pocketbook. Thousands and thousands of home owners now delight in growing rare plants the year 'round. Join them in their favorite hobby. Experience the thrill of propagating, hybridizing and starting your own seedlings whenever the spirit moves you. Prefabricated for easy, "build-it-yourself" assembly. Aluminum and glass Orlyts start at about \$400. Sunlyt models from \$275. delivered.

WRITE FOR FREE COLOR



NOTES FOR THE APRIL GARDENER

You will spend every gardening moment this month proving the truism that what comes up must first go down



First Weekend

Saving steps. If we may be permitted to twist the phrase, the most saving steps in the April garden are the ones you do not take. Reason: the less you tread on the cold wet ground of early spring, the more you help the soil structure to return to good growing condition-friable, well drained of winter water, properly infused with springtime air. If you will pause before putting up your tools after a long Saturday's planting and review your comings and goings, you may—and probably should—be appalled at the number of times you stepped on the same ground. Nowhere is this trail-beating tendency more apparent, or more damaging, than in the vegetable garden, where speedy germination and emergence of seedlings is greatly dependent on the warming up of the soil and the draining away of excess moisture. Compaction, even by footprints, let alone the indiscriminate thrashing about with heavywheeled tools, prolongs saturation (by capillarity) with cold subsoil water and prevents the admission of warming spring air from above. ... Seed sowing invites the ritual parading of booted feet up and down the rows: first, to rake down the strip, perhaps, then back to pick up a hoe and down again to open the furrow, then back to get the seed and down again to plant it, then back to get the hoe again and down to cover the seed and tamp it, then back to start the whole process over again for the next row. . . . Suggestions: carry seed packets and labels in your pocket; plant to a pre-arranged plan; have duplicate rakes or

hoes, one at either side of the garden; perform two sets of operations in adjoining rows from one set of footprints (for example, cover and firm part of planted row A, on your left, and open part of the new furrow in row B on your right before advancing each stepworth across the plot).... Who said seed sowing had to be a bore?

place. No matter how warm the weather, there is always risk that the new shoots, no matter how far advanced, will dry out before the full growth cycle of the plant becomes established. Many buds will shrivel anyway in contact with the air and sun. But formation of new basal "breaks" will be speeded under the protection of an 8-inch mound of earth.



Second Weekend

Soil bank. This paragraph is strictly non-political and has to do merely with the basic importance of putting back into the soil this year the growth elements your plants took out of the soil last vear. Nowhere is this more important, or more often neglected, than in the rose garden, where general cultivation and fertilization of the whole area each spring are usually not feasible because of the plants that remain in place. Fundamental renewal of the ground is quite possible, however, if, when setting new or replacement plants, you are at pains to enrich the soil dug from the planting hole before you replace it. Here is a useful routine where more than just two or three new rose plants are involved: Mix peatmoss, dried cattle manure, compost, superphosphate in a wheelbarrow; from this central supply, take basketfuls into the garden with you; mix two or three big shovelfuls of the supplemental mixture with the existing earth from the garden; use any surplus volume of earth to mound up around the base of the new plants until top-growth starts. . . . This barrow-to-basket-to-garden ritual will actually save steps (see First Weekend above) and insure a uniform supplement. . . . The new plant should always be "hilled" up for at least two weeks after the dormant bush has been put in



Third Weekend

Special delivery. The postman is likely to ring not twice but half a dozen times at this season (have you noticed, by the way, how often a prized package arrives on Monday, after the weekend work is over?) to deliver what you ordered earlier from the new catalogues. When the shipments arrive too thick or fast for ready assimilation into the garden, you have two alternatives: (1) "heel in" the plants (setting them in slanting rows in trenches where they may be shaded while their roots soak up needed moisture for a few days); (2) leave the plants in the package they arrived inprovided the condition of the package assures good aeration without depriving the roots of essential moisture. This means, in two words, polyethylene packaging. With plants that good nurserymen choose to ship in this "porous" water-tight plastic, you may often do as well to leave the package intact as to risk temporary planting. . . . Whatever the nature of the package, and of the plants it contains, place your new acquisitions in their own garden positions as soon as you can after their receipt: the best package in the world is no substitute for sunny springtime loam. . . . A word about planting: With plants delivered to you bare rooted (or sphagnum wrapped) it may be Continued on page 221

STOP RAKING . . .



START LIVING . . .



ROTO W SWEEP

Parker LAWN SWEEPERS

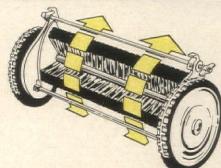
Sweep lawn, patio and drive clean of grass clippings, leaves, twigs, all debris, the easy way . . . as you stroll along.

No more back-breaking hand raking again. Year round use: for spring clean-up; later on, for autumn's leaves. See your dealer . . . FREE DEMONSTRATION

THE PARKERETTE . . . 20 and 28 inch sweeping widths, America's most wanted lawn sweeper.







AMAZING NEW ROTO-SWEEP ACTION

Total sweeping power with quality Bassine brushes set four square on friction-free ball bearings. The result: Roto-Sweep action . . . a Parker Feature.

A PARKER SWEEPER FOR EVERY NEED

The Parkerette, the Springfield, deluxe handoperated sweeper. The Homemaster, powered with 2¼ h.p. 4 cycle engine. The Electro-sweep, electric powered. And for garden tractors and riding mowers: The Suburbanite, with side dumping hamper, the Trailette, end over dumping, and the Estate Master giant 76 inch sweeping width. The Pelican Lawn Cart, 101 uses around the garden.

PARKER SWEEPER COMPANY

SPRINGFIELD. OHIO

FOR THE GARDENER'S BOOKSHELF

A collection of new titles that proves some gardeners are even more versatile between covers than they are outside in the garden.

To fill that "long-felt want" is the ambition of every author worth his ink. How pleasant, then, to report that the Nehrlings (Arno and his wife Irene) have plugged admirably a major gap in the bookshelf with their Peonies Outdoors and In (Hearthside Press, \$5.95). The authors have wisely chosen to communicate the basic information, an enormous amount of it, without indulging in fine writing or flights of subjective appreciation. They review in orderly fashion all the old ground (and much of the peony ground is, alas, very old) and indicate for the first time in a special book on the subject the enormously hopeful future that lies ahead in the development of new interspecific peony hybrids. In these hybrids-both the herbaceous garden types and the extraordinary tree peonies-lies the real news about this ancient and taken-for-granted flower. The Nehrlings (he is Executive Secretary of the prestigious Massachusetts Horticultural Society) have devoted almost as many pages to the showing and enjoyment of peonies as they have to selection and cultivation. And in lieu of extensive personal evaluation of varieties they include lists based on popular polls and opinions of specialists.

For the kitchen gardener (to name one kind), A Herb a Week (Tool Shed Herb Nursery, \$1) is as good as an encyclopaedia. Arranged in the form of a simple calendar, the "work" provides seven paragraphs of invaluable information about each of fifty-two annual and perennial herbs (for the "seventh day," the authors

provide an apt and pleasant quotation). You don't often get calendars that make as good reading as this.

People who would rather look at wood than grow it will delight in The Driftwood Book by Mary E. Thompson and Leonid Skvirsky (Van Nostrand, \$5.95). With its practical how-to-arrange-it tips and 128 handsome photographs, the book climbs right into the show niche with the arranger. It should become the driftwood Bible.

2

A couple of dedicated professionals have come up with The Book of Landscape Design (Barrows, \$3.95) that relates the past, present and possible future of an underrated subject. The authors are H. Stuart Ortloff and Henry B. Raymore, and their book, while it is informed to the point of erudition, is practical and readable. It discusses the origins of landscape architecture as such and tells the home owner how to hire a landscape architect and why.

976

For the dedicated gardener's reference shelf it would be hard to overlook A Handbook of British Flowering Plants (Abelard-Shuman, \$10). While many of the plants described and illustrated with botanical thoroughness are known in American gardens, be not deceived into thinking this a guide to growing such plants in this country. It is not. It is confined to British species. Lovingly assembled, it would make a perfect gift for a flower devotee.

New, improved, richer way to feed flowers, vegetables, shrubs and trees



the really-complete all-purpose plant food for more vigorous growth of foliage, flowers, fruits and roots

It's richer-More food per pound. Goes 30% farther. Less weight to carry.

Completely balanced-No guesswork feeding. The right amount of everything plants need except sun, air and water.

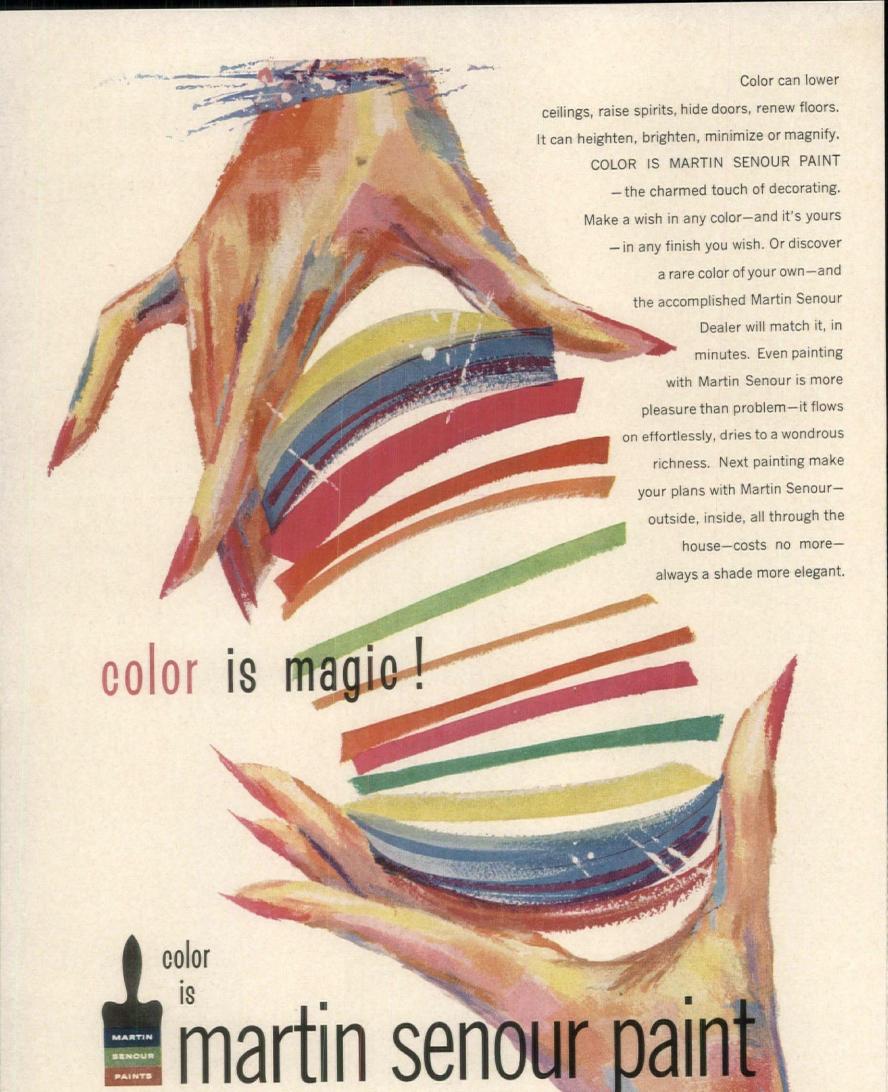
Easier to use-Clean, dust-free, odorless particles in a new, lightweight form.

Look for the new easy-to-carry bag at **Garden Stores & Supermarkets**

VIG..VIG..VIG..VIG..VIGORO My, how things grow with







SURPRISING OR SUBDUED—there's a Martin Senour Color for you in flat, semi-gloss or full gloss finishes. See all these exclusive stylist-created colors now at your Martin Senour Dealer—he's listed in the Yellow Pages.

NOTES FOR THE APRIL GARDENER

continued from page 216

difficult to determine the level at which they stood in the soil originally. With small succulent plants especially, the depth at which you replant them may be very critical. Observe each plant carefully and, if you are not familiar with its nature, use great care to transplant it so the crown-that point where the root turns into top and vice versa-will be exactly at the surface after the watered-in soil has become settled around it. No matter what anybody says, you can't go very far wrong if you are careful to follow that rule.



Fourth Weekend

Just one more. There never was a shrub border, however well planned, that could not spare the space for just one more particularly good plant-not one more of the same, but one other kind of plant. For example, in a planting running strongly to broadleaf evergreens or to bedding azaleas, you can almost always find root room for, in the one case, a rather narrow deciduous accent plant such as a gordonia or a stewartia (both with spectacular white summer blossoms); in the other case, an evergreen viburnum (V. rhytidophyllum, the leather-leaf) or the new camellia variety Flirtation (saluenensis-japonica hybrid). If your winters are severe, try the lost tree of China, the "dawn redwood" (Metasequoia glyptostro-boides, so help us). This tree grows rapidly and attains considerable size, so don't plant it against a house wall. . . . Whatever you sandwich into a well balanced bed should provide accent of a harmonious sort, if that is not a contradiction in terms. Don't put the too tall plant with the very low; neither need you put a big round plant among little round plants. . . . Above all, make sure that the new plant will have its share of root room and no more. Where groundcovers are present, there may be little enough nourishment for shrubs that are already competing for sustenance, and you may be wise to root out the groundcover. Extra care with fertilizer and water will almost surely be required. . . . But plant you must, somewhere. After all, are you going to stop gardening just because you don't happen to need any more plants?



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Wayside Gardens

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Terra-Lite

SOIL CONDITIONER
AT GARDEN SUPPLY DEALERS

LET YOUR GARDEN FLOWERS GO WILD

continued from page 209

There they thrive with no care, producing masses of flowers each season. The first year or so I kept the weeds out—and now in December, if I feel benevolent, I give the lilies a few tosses of manure. (Since they grow next to the manure pile this is simple.)

It's a hummingbird jungle

Bee-balm gave us another pleasant experience. Down in a semi-shaded area along the stream, where the ground is not boggy but never gets really bone dry either, there was a tangle of jewel-weed and miscellaneous grasses. I planted the bee-balm in the midst of the tangle. All I did first was to sickle the area. This time I did not set the plants on top of the earth but in it, though I did not worry about surrounding weeds. In the three years since, they have grown and multiplied amazingly. We have the fun each year of watching the hummingbirds come to this plant for their summer dinners and from the terrace we often look down and see several ruby-throats hovering among the scarlet blossoms.

In our meadow, I set out a half-dozen plants of sun-loving coreopsis. I had seen fields of them running riot in New England, so I had no qualms. Ours have exceeded all expectations, spreading over three times the original area. All summer we can, at will, cut gold bouquets for the house.

One huge day-lily, a nameless but most beautiful golden yellow, flowers along a wall in semi-shade. It gets no attention from one year to another, yet all through each July it creates a sensation sending up the loveliest of yellow trumpets. Nearly thirty flowers come at once on our plant and, though we can see it from the living room windows, it is worth frequent trips outside to examine more closely.

There are many other plants that seem to do as well. Sometimes hollyhocks will grow wild and sometimes not—they are a bit temperamental. If you have an area around a pile of manure or compost where the soil is ever so rich and black and where it is sunny, hollyhocks are worth trying. Once I saw masses emerging from the edge of a dump in Vermont. If they do take hold and like it, they will return year after year, cross fertilizing and bringing a variety of colors and shades.

Continued on page 230

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H&G's 1960 GUIDE TO LAWN MAINTENANCE

The difference between good and poor turf is often nothing more than the difference between good and poor maintenance. Grass is alive, and needs regular care if it is to do its best. Don't be afraid that good maintenance costs more in time, money and effort than it is worth: often it avoids the necessity for costly reconstruction of neglected turf.

A program for proper maintenance should consist of at least four and possibly six parts, depending upon conditions. Mowing

cannot be avoided, yet all too often is left to anyone who can be persuaded to go through the motions. The next three most important factors in caring for a lawn are seeding, feeding and weeding. Watering is a variable requirement, critical in dry years or on droughty soils, less important otherwise. Pest control is the most neglected phase of maintenance and often makes the difference between a thick luxurious lawn and no lawn at all. So perhaps you should consider it first.

Don't let insects or disease ruin your lawn

CONTROL PEST Formula Z, Kromad or Arasan 42. BROWN PATCH: Small "smoke rings" spread, killing out patches Organic mercury compounds also effective. of grass. Blades light brown when EARTHWORMS: Need no de-Pre-emergence treatment with calcium arsenate also kills earthscription. Watch for worm casts. worms. Or apply chlordane, DDT or dieldrin to sod. Same as for earthworms. JAPANESE BEETLE GRUBS: Small whitish curled grubs in sod. Same as for brown patch. Merion LEAF SPOTS: Various fungus is resistant. diseases brown out bluegrasses and fescues in warm weather. RUST: Rusty red dust stains Prevention best cure. Keep grasses cut. Feed generously. Don't overshoes. May be severe on bluewater. Phaltan and zineb help. grasses in late summer. Chlordane or DDT applied to turf. SOD WEB WORM: Small moths fly up when disturbed. Silky webs at base of grass blades. WHITE GRUBS: Larger than Same control as for earthworms. Jap. Beetle larvae; white with darker heads, curled. Grass dies in

MOWING. Maintain a regular schedule. Never allow grass to grow long and then cut it back severely. Where you maintain a good feeding program, at least once-weekly mowings should be

patches, or may come away en-

necessary. In early spring, the combination of high moisture and spring fertilizer may necessitate twice-weekly mowings. Bent grasses, where used, should be Continued on next page

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LAWN MAINTENANCE continued

mowed at least twice a week, oftener if growth gets above 1" between mowings.

Height of cut: Most grasses are cut too long. This allows disease to build up at base. Formerly recommended as a partial control of crab grass, high mowing is no longer needed, because chemicals can now control this pest successfully. Do not juggle height of cut between seasons. Make any change in height gradually, not more than 1/4" per mowing. These are recommended heights for various grasses:

Common Kentucky bluegrass 11/2" Merion Kentucky bluegrass 1" Other improved bluegrasses 11/2" 1½" 1" Fescues, in sun Fescues, in shade Poa trivialis, in shade 11/2" Bents (1/2" to 3/4". Mow at least twice a week)

Zoysias 11/4" to 11/2" These recommendations are for lawns along the New York-Chicago line. Farther south, maintain 1/4" to 1/2" longer cut, farther north, same length or up to 1/2"

shorter.

SEEDING. It's not easy to change the type of grass in a lawn by simply overseeding one kind with another. (An exception may be Merion bluegrass, which will take over a lawn in three to four years if adapted to conditions.) Use same mixture as original turf unless a complete renovation job is needed. The earlier that seeding of thin patches is done, the better. To speed germination and shorten the period during which seedlings must compete with old turf, soak seed overnight. In the morning, rinse until water runs clean, then spread out to dry for several hours on sheets of newspaper before sowing. Seeding on hard soil is useless. Tear up soil with a rake or a lawn renovating tool. Sow seed, then work it with the rake or tool so it is covered lightly. To be sure seed does not dry out, water at least 20 minutes night and morning on every day rain does not fall. The important point is to get new seed up and growing to minimize competition from weeds and established turf. Do not use chemical weed killers on new seedlings until lawn has been mowed at least twice (with sharp mower).

FEEDING. Modern fertilizing practices call for applying about four times as much nitrogen as formerly recommended. Today, for top growth, at least 4 pounds of actual nitrogen to 1,000 sq. ft. of lawn is recommended. This should be so applied that some nitrogen is available to plants whenever

grass is in active growth.

If you use mixed ureaform fertilizers (newest and simplest way to feed a lawn): A single application, say 20 pounds of a 20-5-5 mixed ureaform to 1,000 sq. ft., made in early spring, feeds for an entire season. Such mixed ureaform fertilizers contain both quick acting and slowly available nitrogen, feeding early and late. They also contain phosphorus and potash, plus minor elements for complete nutrition.

If you use straight ureaform nitrogen: It releases nutrient slowly and does not contain other elements. Apply in early spring at rate of 10 pounds to 1,000 sq. ft. At same time, apply a mixed chemical fertilizer (20 pounds of a 5-10-5 or 10 pounds of a 10-6-4) to supply other needs. If clippings are removed, a second application at same rate-of the chemical plant food alone-may be needed to supply more phosphorus and potash.

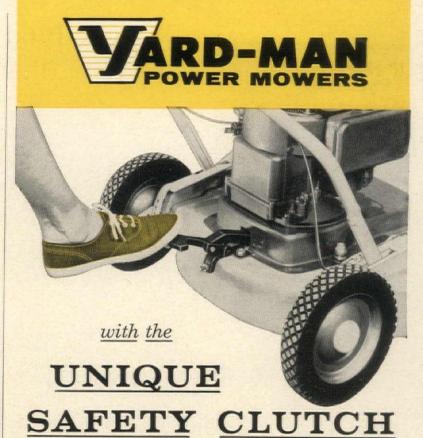
If you use lightweight 20-10-5: Approximately 20 pounds will cover 5,000 sq. ft. of lawn, for one application. To supply enough nitrogen for top-growth, use at least four additional feedings to follow first. This means feeding in March, April, May, June, July and August in New England; April. May, June, July, August and September farther south.

If you use regular mixed chemical plant foods: Still preferred by many, these should be used at higher rates than formerly recommended. In place of one application in early spring, four should be used: one as early as convenient in spring, the second on Memorial Day, the third on July 4th and the last on Labor Day (dates are not critical but help fix approximate application times).

Note: Rates above are designed to give better-than-average growth. Still better results will follow double-rate applications (except on fine-leaved fescues). If economy dictates, half of above rates can be used and should produce good average growth.

WEEDING. Pre-emergence controls: Newest method of fighting annual weeds is to apply chemicals in late fall or very early spring to prevent weeds from growing. Crab grass, annual bluegrass, chickweed and knotweed are affected. With newest formulations, up to 100 per cent control of crab grass is possible. Chickweed is almost as successfully controlled, while Poa annua (dwarf meadow grass) and knotweed are suppressed so they do not produce viable seed.

Continued on next page

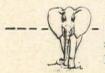




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LAWN GUIDE

continued

Other proprietary pre-emergence crab grass controls with similar properties are available. Observe two precautions: Follow directions fully and don't apply too late in spring. Otherwise, crab grass will not be killed and seeds of permanent grasses may not sprout. Never apply after apple tree blossoms show pink.

Post-emergence controls: Spraying (when air temperatures are above 70° and weeds are growing) with 2, 4-D or with a mixture of 2, 4-D and 2, 4, 5-T will kill most broad-leaf weeds. Exceptions are veronica, which can be killed with Endothal, and Nepeta hederacea (creeping Jenny), which needs a mixture of 2, 4-D and potassium cyanate. Crab grass, goose grass and barnyard grass can be killed (without injury to turf) by spraying with Sodar (DSMA) or liquid Sodar (OAMA + DAMA). Several applications may be needed: Don't, however, use on bents or fescues; for these, use phenyl mercuric acetate (PMAS). This will kill crab grass, but not goose grass or barnyard grass.

WATERING. Though overdone, watering is an important step in lawn maintenance. Except under very dry conditions, fescues are better off without any artificial water. The bents need water practically every day rain does not fall. Common Kentucky bluegrass and most of the improved bluegrasses should be watered to a depth of 4" to 6" and then allowed to dry out between waterings.

Merion Kentucky bluegrass is an exception: it should be watered only enough to keep it from wilting. Overwatering is the major cause of rust. However, when you do water, deep watering is important because roots go deep in the soil. Allow turf to dry almost to wilting point before watering again. Do not confuse watering with syringing. The latter is using a light spray of cool water on lawns when air temperatures go above 90°. This is a golf course practice, not always too easy to apply to home lawns, though it helps. Do not substitute syringing for regular watering which serves an entirely different purpose.

PEST AND DISEASE CONTROL. A healthy, vigorous turf of permanent grasses can usually resist many of the troubles which attack weaker lawns. Proper maintenance helps reduce care needed. The chart on page 222 will help you recognize and treat your troubles. Follow manufacturers' directions in applying controls.

Peony: Blasted buds.

with hard centers.

watery petals on flowers.

Lily: Oval brown leaf spots.

Tulip: Gravish mold on leaves,

Azalea petal: Flowers brown and

Camellia flower: Brown flowers

H&G'S 1960 GUIDE TO PLANT PROTECTION

The best control of garden pests is prevention—regular spraying or dusting with a general-purpose mixture that will control most diseases and insects found on your plants. Typical formulations are mixtures of phaltan, DDT and malathion or captan, karathane, DDT and malathion. Where sudden heavy invasions call for prompt action, specific chemicals are needed. H&G's 1960 Guide to Plant Protection describes most of the pests commonly found on garden plants.

By all means respect the manufacturer's directions for the use of pesticides. To neglect them may mean failure to achieve control—even cause personal injury to the user. Modern insecticides are safe to use if precautions printed on the label are observed. Timing of special controls is important. This varies throughout the United States, so follow dates on the package, or those in the chart below.

PEST	CONTROL	
ANTS: Wingless 6 legged creepers with three-part bodies. (Winged males appear at times.)	Dust runs and hills with chlor-dane or dieldrin.	
APHIDS: Plant lice with soft bodies. Feed by sucking. Pine and green on roses; black on ivy, chrysanthemum, nasturtium; red on delphinium; yellow on lily. Leaves are curled, buds deformed.	Spray with pyrethrum-rotenone, malathion, lindane or nicotine sulfate. Use aerosol bomb on house plants. Look for on roses in spring and fall.	
Pine bark aphid: White, wooly patches resemble whitewash.	Spray with lindane or malathion when apple blossoms are open.	
Gall: Swollen tips on blue spruce twigs; at base of Norway spruce twigs. Cut off before July 1 and burn promptly.	Spray with dormant oil before growth begins.	
BAGWORMS: Bags of sticks and twigs up to 2" long. On arbor- vitae, hemlock, larch, etc. Leaves eaten in summer.	Cut off bags as soon as seen. Spray with malathion or lead arsenate when young hatch (about June around New York).	
BEETLES: Soft grubs, hard- shelled adults. Chew foliage and bark.		
Elm bark: (carries Dutch elm disease).	12% DDT spray applied with mist blower before April 15 (profes- sional job). Burn dead branches, twigs or trees.	
Various adult beetles eat all types of flowers June to September.	Spray or dust weekly with DDT, methoxychlor or lead arsenate.	
BLIGHTS: Sudden wilting and death.		

Spray soil with phaltan or zineb as

soon as shoots break through the

Bordeaux or other copper spray.

Zineb every 2 to 3 days as azaleas

come into bloom (only in South).

Plant only healthy stock. Use only

bare-root plants and remove any

buds showing color.

soil in spring.

PEST

Fireblight: Flowers of quince, pear. apple, cotoneaster, hawthorn and pyracantha turn black.

Hawthorn leaf: Defoliation occurring in August.

CONTROL

Destroy all affected blossoms. Cut off infected limbs several inches below dead portion. Where disease is prevalent, spray open flowers with streptomycin.

Zineh when leaves unfold; repeat in 10 and 20 days.

BORERS:

Iris: Water-soaked ragged foliage.

Dahlia: Holes in stalks, causing stalks to break.

Dogwood, lilac, rhododendron:

Burn off old tops in fall. In spring, spray with DDT once a week until flowers fade.

Spray base of stems with DDT every 2 weeks.

Spray trunks with dieldrin-petroleum compound or with DDT in late spring. Squirt lindane paste in borer hole.

BUGS: Sucking; wings half-membrane, folded over back.

Lace: Spiny larvae, lace-winged adults on underside of leaves that are flecked with brown. Upper surface stippled gray (on andromeda), yellow (rhododendron), coffee (azalea), white (pyracantha, hawthorn and cotoneaster).

Spray with malathion when bugs hatch, Andromeda bug has broods from April to October, rhododendron late May through July. Azalea lace bug has third brood in late summer.

CANKER: Dead spots on stems.

Rose: Canes sometimes girdled.

Dogwood erown:

Boxwood: Pink spots on dying leaves and twigs.

Avoid too moist a winter cover. Cut out affected canes in spring.

Avoid injuring bark (wire guards will sometimes help).

Clean out all dead growth. Spray with 1-50 lime-sulfur.

CATERPILLARS:

Tent: Webs form tents in crotches.

Fall webworm: Webs around ends of branches June to Sept.

Cankerworm: Inchworms feeding on trees soon after leafing out.

Dodder: Parasite with orange tendrils that envelop chrysanthemums and other plants.

Tear out nests or squirt in DDT. Don't burn on tree.

Cut off and burn when noticed.

Have oaks and elms sprayed during years when infestation is especially heavy.

Never allow dodder to seed. Cut out and burn as soon as seen.

LEAFHOPPERS: Wedgeshaped insects feeding on underside of leaves, flying when disturbed.

Potato: Feeds on dahlias, browning and curling leaves.

Rose; apple: Leaves stippled with white, growing more apparent in fall. DDT every 10 days throughout summer.

If rose spray does not contain DDT, add it from late August on.

Continued on next page



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PLANT PROTECTION continued

PEST

CONTROL

LEAF MINERS (inside leaves):

Boxwood: Blisters in leaves, orange flies.

Holly: Blotches and tunnels in leaves, black flies.

Birch: Leaves browned.

DDT just before flies emerge (mid-May in New York).

DDT just after emergence and again in 10 days. Watch from early May on around New York.

Malathion in mid-May and June.

Add zineb or phaltan to borer

Spray with copper, captan or phaltan when leaves are half open, again 10 and 20 days later.

LEAF SPOTS:

Iris: Small brown spots.

Laurel: Brown blotches or spots.

Rose blackspot: Black spots with fringed margins on leaves; may or may not turn yellow and drop. Black patches on canes.

Regular spray program every 7 days vital. Mixed spray should contain phaltan, captan, ferbam, maneb, zineb or a copper com-

pound.

spray.

MEALYBUGS: Soft cottony masses on house plants or outdoors on yew and catalpa.

Indoors, use aerosol. Spray yews in May or June with malathion covering all parts thoroughly.

MITES: Tiny specks (shake over white paper to detect).

Cyclamen: Deforms, stunts, blackens buds of delphinium: also African violet and other house plants.

Spruce: Causes needles of evergreens to turn rusty brown.

Two-spotted: Turns rose, phlox foliage yellow or gray or burned; dark specks on underside. Web sometimes visible.

Spray delphiniums in very early spring with Dimite, repeating once a week until June.

Spray with aramite, malathion or ovex in late May or early June.

Aramite, malathion or kelthane from mid-May until cool weather returns.

MOTHS:

Pine shoot: Dead tips marked by oozing pitch.

DDT in late April. Cut off affected tips before June and burn.

NEMATODES: Barely visible eel-worms (visible in full sun as wiggling white threads).

Chrysanthemum leaf: Leaves die upward on stem.

Propagate only from young tips and don't use divisions of old crown. Spray base of stems with malathion in late May.

Meadow: Yellow foliage on boxwood, azaleas, other plants. Growth stunted.

Treat soil with Nemagon (follow directions for living plants).

Rootknot: Swollen knots on roots.

Treat soil with Nemagon (if living plants are present). If soil is not in use, treat with D-D or ethylene dibromide.

POWDERY MILDEW: White felted or powdery growth; leaves somewhat curled, buds deformed. Common on rose, phlox, annuals and lilacs late in summer.

Add karathane or phaltan to regular sprays. If not in regular rose spray, include in May and again in late summer. Spray phlox June to August. Lilacs not helped by treatment.

PEST CONTROL ROTS: Plants dying. Crown: Of delphinium, ajuga and Remove diseased plants and surmany other plants. Reddish brown rounding soil immediately. Treat seedlike bodies and white threads suspected soil before using with in crown terrachlor worked thoroughly into top few inches. Soft: On iris, vile-smelling. Don't plant in shade, avoid crowding and prevent iris borers. RUSTS: Cedar-apple: Galls with orange Cut off galls on cedars in winter. horns on red-cedars. Orange spots Spray with actidione or elgetol as on leaves of apple, crab apple, horns emerge. Plant only resistant hawthorn. Trees may die followoriental crab apples and avoid ing defoliation year after year. planting red-cedars (Juniperus virginiana) near apple orchards. Hollyhock: Rusty pustules on leaf Remove rusted leaves when seen. Burn. Dust with sulfur or phaltan. Snapdragon: Dark brown pus-Plant only resistant varieties. Spray with zineb or phaltan. SAWFLIES: Caterpillar-like larvae. Pine: Larvae hatch from eggs on Watch for very young larvae and needles, feed and move to next spray as soon as seen with DDT or branch when old needles are gone. lead arsenate. May hatch from May to August. Rose slugs: Leaves skeletonized. General all-purpose dust or spray program will control. SCALES: Hard-shelled insects Dormant oil sprays for adults; on bark. Young crawling stage when young crawlers are seen. looks like a louse. Many species. spray with malathion (late spring, early summer). Juniper, pine needle, rose. Lime-sulfur as dormant control. Spray crawlers with malathion. SLUGS: Shell-less snails that Metaldehyde baits under boards leave slimy trails. Eat large holes or shingles (to protect birds). in leaves near ground. SOOTY MOLD: Sticky honey-Many insects excrete honeydew. dew drops on car windshields and Spraying trees overhead stops this foliage. Black mold grows in nuisance honey. THRIPS: Minute, bristlewinged. Eat by rasping. Gladiolus: Leaves silvery or tan. DDT spray or dust every 10 days Flowers streaked, spotted. to flowering. WEEVILS: Beetles with snouts. Black vine: Small white grubs As soon as adults appear, spray feed on roots of yew, hemlock, etc. ground and foliage with chlordane Hard, dark wingless adults notch or dieldrin.

HARVEY PROBBER DALLAS 230 Decorative Center





Apply DDT in early spring. Cut

out dead leader; train side branch

Difficult to control. Spraying with

malathion best. Be sure to cover

to replace it.

underside of leaves.

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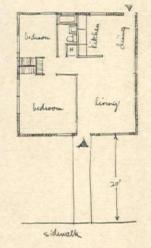
WHEN IS REMODELING WORTHWHILE?

continued from page 211

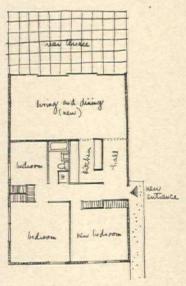
have to set back your house from the street and from the sidelines of your property. For the chances are that you will have to add on to your house to make it workable. and you may find that your property is too small. But if there is room to expand, the too-small house of the late Nineteen Forties may be worth holding on to for several reasons: it is probably in pretty good shape; it cost very little to start with; and its location may be a lot better than one farther out of town. Some of these small houses had a full basement which might lend itself to remodeling; others had an expansion attic big enough for an extra bath and two more bedrooms,

But if you want to add more storage space, or a family room, or a dining room, the only way to do it is to expand the house horizontally-perhaps in this manner:

One way would be to convert the living room to a bedroom, add a new living room at the back of the house, and move the main entrance around from the front to the side-as below:



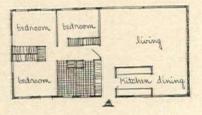
TOO SMALL POST-WAR HOUSE



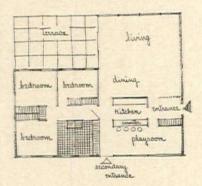
POST-WAR HOUSE EXPANDED

It may also make sense to add a wing to the somewhat larger, postwar houses of the early Nineteen Fifties. These, too, were built in large numbers all over the country, and are still being built today. They lend themselves to expansion-but only if there is enough property into which to expand.

If the kitchen is in the front, it might be expanded into a kitchenplayroom and a new living room added at the back of the house:

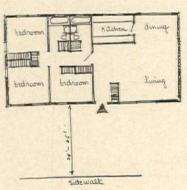


SMALL HOUSE OF FIFTIES

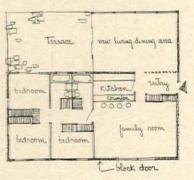


HOUSE OF FIFTIES EXPANDED

If the kitchen is at the back, a new living-dining area might be added at the back of the house, and the former living room turned into a family room:



ANOTHER HOUSE OF FIFTIES



THE SAME HOUSE REMODELED

Regardless of whether you have a house that is too big and inefficient, or too small, you should try to figure out at the start just how much remodeling you will have to do to satisfy all your longterm requirements. You may come up with quite a project, and you will probably have to tackle it in several stages. But if you have thought of each stage as a step toward a definite, final objective, you can avoid a lot of waste motion-and false moves.

As we have said, remodeling is not cheap. On page 119 are listed several ways of raising the necessary cash. You should realize it is nowhere near as simple to borrow money for remodeling an old house as it is to get a mortgage on a new one, especially a new one in a place like Jonestown. Still, for the reasons we have mentioned, you may, when the dust has settled, thank your lucky stars that you remodeled the old place instead of moving away. Recently, American families have been bouncing around from one domicile to another like peas in a shellgame, or at an average rate of five times or more in a single generation. And the process seems to be accelerating. What this does to something known as our "social fabric" is becoming alarmingly evident. What it has done to some of our children makes the statistics seem menacing in a rather personal way.

Quite apart from this, remodeling your old house will keep you amused, infuriated, exhilarated, broke and vastly interesting to your neighbors for a good many months and, possibly, years to come. In fact, it's a bargain at twice the price.

REMODELING TIPS

continued from page 208

Can older heating systems be brought up to date?

Yes. The part of the system you actually see, such as the old-fashioned radiators or grilles in the floor, can be replaced with more modern units built into the wall. The pipes or ducts and the furnace or boiler need not be changed if they are in good working order.

What is the most important factor in remodeling a basement?

It must be dry. Money spent installing new wall surfaces and a continued





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finished floor will be wasted if the new materials are subjected to dampness and water seepage.

Can a basement be waterproofed?

Yes-in most cases. Leakage points in the walls can be repaired with quick-setting putty and the entire wall surface covered with waterproof compound. Since the water comes through the wall from outside after seeping down through the earth, the sources of seepage also should be halted. All downspouts that carry rain water from the roof should be piped away from the house, the ground around the house should slope away from it so that water will not accumulate next to the basement walls. Inside the basement, condensation (droplets of water) may form on the cold-water returns of a hot-water heating system. This can be checked by wrapping the pipes with strip insulation covered with a vapor barrier. All such moisture problems should be solved by an expert, an expense well worth while if your newly finished basement is to be a longlasting improvement.

What is the best way to finish a

There are several. If the basement is moisture free, existing concrete, concrete block or brick walls can be painted, or narrow strips of wood (furring strips) can be fixed to the walls and any type of wood, plywood or composition board panels attached to them. A concrete basement floor can also be painted or covered with tiles, using a waterproof mastic (better check the manufacturer's recommendations, however, before installing any material directly to concrete). Wood strips (called sleepers) can be attached to the concrete floor to provide a nailing surface for a plywood subfloor. On top of the plywood, any flooring material may be used.

How can a basement be made more accessible?

Existing entrances, both from first floor to basement and from basement to outdoors, may have to be remodeled to take care of the increase in traffic. The interior stairway to the first floor should be finished or reconstructed so that it is well lighted, safe and comfortable for you and your guests. The exterior door of the basement should be widened if necessary so that garden furniture can be quickly moved indoors in case of rain, and workshop supplies such as sheets of plywood and long pieces of lumber can be carried in and out easily.

Remodeling



Include a home lift in your plans

To be truly modern every home of more than one story should have a modern electric lift. Perhaps it should be an INCLIN-ATOR (shown above), the original home lift that runs up the stairs on an inconspicu-ous steel channel and folds back against the wall when not in use. It will carry two persons or bags, parcels, the laundry basket, etc.

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LET YOUR GARDEN FLOWERS GO WILD

continued from page 221

Tradescantia (spiderwort) is another plant that will hold its own in tall grass and untrimmed areas. It sends up charming flowers of blue, pink, violet-or white with a blue center, subtlest and loveliest of all. The first blooms open in June; then the plant rests in mid-summer, to flower again in the early fall and on until frost.

Have you ever seen yucca towering twelve feet high on the Santa Maria coast ranges in California? It is sometimes called Adam's needle and might better be called Adam's candle, for it rises like a great white torch, high on the steepest slopes. Yucca doesn't grow as tall in the eastmaybe only six or eight feet-but its stiff pointed leaves and dramatic form makes a fine contrast to our lush, feathery midsummer shapes. Plant a few in any dry sunny spot and forget them.

Johnny-jump-ups are charming little flowers that will grow, among other places, in the gravel of your drive. Once you get them started on your place there is just no telling where they will turn up. They grow like grass through our vegetable garden and we let them, removing them only to plant other more important things. The little flowers shade the ground, keep it cool and serve as a wonderful groundcover. Remember, though, their blooms face to the south; so grow them where you can walk along to the south side of them, else you may never look directly into their appealing little faces. In full sun or semi-shade, just start them off and let them go.

Make your own rules

There are no special rules or musts about establishing plants in this manner in the wild. Unmowed areas and woods are easier digging after or during a rain, and you need a sharp spade. It will pay you to water the plants when you set them out and, if it is midsummer when you transplant, keep them watered a few days (in early spring the rains will probably take care of the matter). They will get a better start if, the first year or so, you also keep the extraneous weeds and tall grasses in their immediate vicinity pulled out. But once they get a start, those I have already mentioned may be expected to do well with no further care or attention. There are some others that will do as well. Here is a list which in-

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cludes height, color of bloom, flowering period, the best exposure and other points that seem to me worth bearing in mind.

Bee-balm: 3'; scarlet, pink, lavender; June, July; sun, semishade; vibrant red color attracts hummingbirds.

Columbine: 3'; lavender, pink, blue, vellow, red; May; sun, semi-shade, shade; also attracts ruby-throated hummingbirds, spreads rapidly.

Coreopsis: 3'; yellow; July, August; sun; lovely in bouquets with verbena.

Sweet William: 2'; purple, red, rose, white; June; sun; fragrant, especially at dusk.

Spice pinks: 18"; rose purple, white; June; sun; fragrant, scent carries long distances.

Eupatorium: 3'; blue to violet; fall; sun, semi-shade; long blooming period, keeps a long time in the house.

Forget-me-not: 6"-10"; light blue; June, July; sun, semishade, along streams; forms a solid mat of flowers.

Foxglove: 4'; yellow, pink, lavender, magenta; June, July; sun, semi-shade; varied pastel tones.

Day-lily: 3'; vellow; June, July; sun, semi-shade; lots of drama, for emphasis from a distance.

Hollyhock: 6'; red, pink, yellow, maroon, white: July, August; sun, semi-shade; dramatic in large groups of plants.

Iris (bearded): 3'; blue, purple, yellow, white; June; sun; good flower for picking.

Lily-of-the-valley: 8"; white; May, June; shade; very fragrant, fine in the house. Johnny-jump-up: 1'; blue violet.

yellow; all summer; sun, semi-shade; trim plant back twice during summer to keep it in flower.

Lupine: 2'; blue, pink, white; June; sun, shade; transplant early, or grow from seed.

Evening-primrose: 3'; yellow; June, July; sun; very showy.

Blue phlox: 12"-18"; blue lavender; May, June; sun, semishade; spreads rapidly, plants doubling or tripling each year.

Periwinkle: 6"; blue, white; May, June; semi-shade or shade; lovely with ground ivy and lily-of-the-valley.

Tradescantia: 3'; red, blue, pink, white; spring and fall; sun, semi-shade; good foliage.

Verbena: 15"; purple; summer; sun; good in bouquets, rapid spreader.

Yucca: 8'; white; summer; sun; lasts many years, slow spreader.

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Call or write the Unit of the American Cancer Society nearest you. It's stocked with ammunition that could save your life.



SWITZERLAND

continued from page 178

Unexpected paintings

Speaking of restaurants, put on your list for Zurich Frau Zumsteg's Kronenhalle, not so much for the substantial food as for the unexpected series of paintings on the walls. Frau Zumsteg started life as a poor girl in the country, but when she and her husband succeeded with their restaurant. she put her savings into paintings, and the canvases on her wall are signed Chagall, Braque, Bonnard, Utrillo, Vuillard, Picasso. It was here that the writer James Joyce came each day during the last couple of years of his life. It was Frau Zumsteg who arranged for him to stay in Switzerland when he arrived from Paris as a war refugee.

This appreciation of fine paintings is a side of the Swiss character that one seldom hears about abroad. Unobtrusively over the 150 years of blessed neutrality since the Napoleonic wars. Swiss families have amassed more than their share of the world's best pictures. Their presence is usually unknown to the outer world, for the home of a Swiss family is an intimate and closed one.

The visitor is not apt to see the treasures within the homes of the burghers of Zurich, Berne, or Basel. But fortunately one superb group of paintings has just been opened to the public by its owner, the Baron Thyssen-Bornemitza. The authoritative art magazine l'Oeil calls it "the greatest private collection in the world today." The Thyssen family started collecting two generations ago. Reversing the usual trend, they have bought in America and repatriated to Europe examples from the Pierpont Morgan and Otto Kahn collections. They have recently built a special gallery to house their masterpieces next to their

home, the Villa Favorita, outside Lugano. Daylight from overhead floods seventeen windowless rooms, superbly lighting the no less than 500 paintings notable not only for their origins, but for their quality and condition.

Old masters and new

Imagine a roster that includes: Fra Angelico, Bellini, Bosch, Canaletto, Carravaggio, Clouet, Cranach, Dürer, Van Dyck, van Eyck, Goya, Hals, Lippi, Memling, Mantegna, Rembrandt, Tiepolo, Tintoretto, Uccello, Velasquez, Vermeer, and how many others! Any art lover who visits Europe must offer himself this adventure, but note that the collection is open to the public from May 15 to November 15, only, on Fridays and Saturdays from 10 to 12 and 2 to 5, and on Sundays from 2 to 5.

The Thyssen private collection at Lugano is in the grand tradition, made up almost entirely of "old masters." At the other end of the country, one finds Switzerland's most celebrated public collection, the Kunstmuseum of Basel. Its interest lies in two widely divergent art expressions, both in time and in sentiment. The first is the series of works by Hans Holbein, a native of Basel. Only Windsor Castle boasts another group by Holbein, who passed some years in England as court painter to Henry VIII. In Basel are no less than sixty-eight of his beautiful and analytical portrait drawings from this period. Skipping four centuries and twenty halls of paintings I come to the museum's other glory: the modernsincluding four of the most important Gauguins, four Cézannes. four van Goghs, eight Picassos. ten Braques, six Gris, as well as Continued on next page

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SWITZERLAND

continued

works by Matisse, Derain, Rouault, Kokoschka to represent the Fauves, Léger, Chagall, Kandinsky, Klee, Miro, Moore, Calder.

The Swiss cities are favorite and probably lucrative halts for concert musicians during the winter months; a spate of music festivals brightens up the summer. In the last few years, the country has also been adopted as a permanent home by an extraordinary number of writers and composers who find it conducive to creative effort, and of actors and international socialites who appreciate a land where the word income tax is never mentioned in polite company.

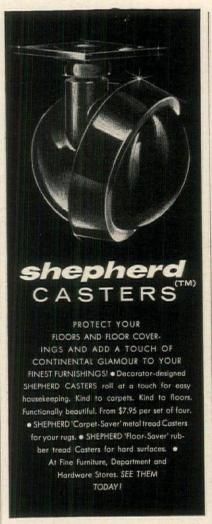
Apart from these other good reasons, the standard of comfort makes it possible for British or French families, even for us spoiled Americans, to settle in Switzerland with the least possible wrench. The stores carry everything in the way of equipment or gadgets that one can hope for. This has perhaps the disadvantage for the foreign visitor of cutting down on the adventure of shopping. The department stores are filled with well manufactured goods very similar to those in the U. S.: there is nothing especially quaint or picturesque in the aisles of a Swiss department store. The design, the pattern, of native merchandise may be a bit different from the American, but the purpose and standard are the same.

Good shopping

Geneva is of course the world capital for clocks and watches, priced considerably less than when exported. The great luxury watch makers have their own shops but it is probably better for the visitor to go to a shop like Gubelin (the highest class), or Henri Blanc, or Au Diamant, or Collet, where many leading brands can be examined in the same shop. All of these shops are in mid-town Geneva, near the Mont Blanc bridge.

Langenthal, rue de la Confédération, has very fine household linens and handkerchiefs and does beautiful monogramming if you have time. L'Ours de Berne sells platters, bowls, boxes carved in wood, and Dannhauer specializes in copper, both old and new. La Marjolaine, rue de la Croix d'Or, has a large choice of fine leather goods. On the south bank of the lake, near the medieval section of Geneva, are many good antique shops.

Zurich's good shopping district is on Bahnhofstrasse, extending down to the lake. This city is the capital of Switzerland's lively



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ready-to-wear industry. Models by Marty are said to be especially good and are exported as far away as Dallas, but they cost rather more there than on Bahnhofstrasse. Zurich is the town to shop for the fine embroidered cottons, organdies and organzas made in nearby St. Gall. The great name in the industry is Forsterwilli, well known by the haute couture in Paris and New York. Those beautiful Ottavia tambour curtains that you find on New York's Fifth Avenue come from St. Gall region. Some of the best designs are made exclusively for the American market but there are lots of others to look through at Grieder's, Oscar Weber's or Sturznegger's. Another type of embroidery, almost always in blue on white, comes from the district of Appenzell and is attractive on handkerchiefs or luncheon sets.

The Swiss summer calendar is filled by a succession of events during which the Swiss, after their long winter, set out to make fun for themselves. Here are a few dates and places that may also tempt their visitors:

May 8, Berne: Football: Swiss Cup Final.

May 14-15, Fribourg: Fribourg Cantonal Musical Festival. May 21-22, La Chaux-de-Fonds:

Swiss Musicians' Festival. May 21-29, Lucerne: International

Horse Show.

May 22-28, Schaffhausen: Sixth International Bach Festival.

May 28-29, Lausanne: Interna-

tional Dog Show.

End of May, beginning of June, Lausanne: International Lausanne Festival: Stuttgart Opera, Belgrade Opera, New York City Ballet.

June, Zurich: June Festival Weeks 1960: Symphony concerts, opera, plays, exhibitions.

June 3-12, Neuchâtel: Swiss Cu-

linary Exhibition.

Mid-June, Alt St. Johann: Cattle are driven to Alpine summer pastures-a very picturesque

June 16, Fribourg, Einsiedeln, Lucerne, Sion, Brunnen, Zug: Corpus Christi Processions.

Last half of June, Geneva: Rose Exhibition, 1,000 varieties at their best

June 17-28, Geneva: Twenty-eighth Swiss Federal Festival of Song. End of June, beginning of Aug., Basel: Kunsthalle: Exhibition "Masterpieces of Greek Plastic

July 9-10, Gstaad: International Fencing Tournament.

July 9-10, Lucerne: Rotsee: International Rowing Regatta.

July 14 to Sept. 11, Interlaken: Continued on page 236

REPOTTING ORCHIDS IN BARK IS EASY

There's no longer any good excuse for tolerating overgrown plants now that pine or fir bark has largely replaced cantankerous osmunda for potting



When to repot is determined by the condition of the plant and the inclination of the grower. In general, you repot only when the actual bulbs are growing out of the pot, when the potting medium starts to rot, or when plant gets too big to handle readily. Above: a plant in old osmunda fiber ready to be repotted in bark.



Remove from old pot after prying roots carefully from outside with spatula or knife. This is time to survey way rhizomes grow and decide where actual division can best be made. In addition to loosening roots on outside it may be necessary to pry plant from old pot with wire. Allow at least three rhizomes to a pot.



Remove old osmunda from root mass, and with it all dead roots, being careful not to harm healthy new white roots. In repotting into conifer bark, it is important to work roots clean.

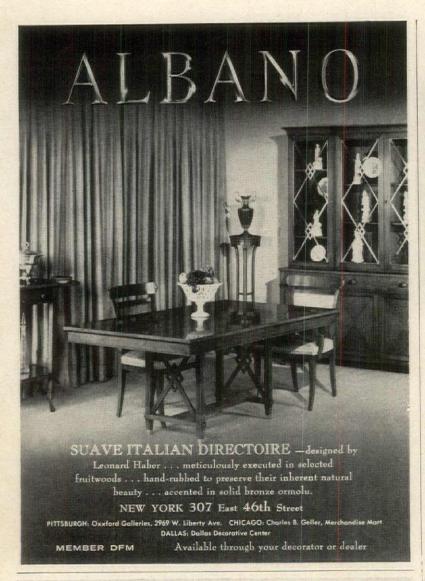
Continued on page 234



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REPOTTING ORCHIDS continued from page 233



Make clean cut with knife or razor blade (never pruning shears or scissors), once you have determined where division should be made. Consider not only amount and placement of rhizomes and bulbs but disposition of good roots that must be counted on to anchor plant in bark.

Separate the parts by hand, teasing the roots apart after cutting only the connecting rhizome. Any remaining bits of osmunda and dead root can also be removed now. New pots should be only large enough to hold plant for two or three seasons.

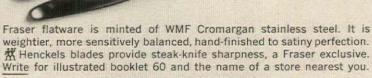




laurel 5-piece place setting Place rhizome carefully so back end is at back of pot, front end pointing toward front to allow maximum growing room between front bulb and pot edge. Hold firmly in position with left hand as you fill. Be sure to provide adequate crocking for drainage in pot bottom.



Fill around roots while the plant is being held firmly. Work bark (medium-to-coarse ground for the general run of orchids such as this) around roots without permitting plant to be pulled away from growing position toward back of pot. Shake down and pack bark firmly.



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SWITZERLAND

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Open-air performances of William Tell: July 14, 21, 27, 28, 30; August 4, 6, 9, 11, 13, 18, 21, 28; Sept. 4, 11.

21, 28; Sept. 4, 11.

Mid-July, Locarno: Thirteenth
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Mid-July to Mid-Aug. Engadine:
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Beginning of August, St. Moritz:
St. Moritz Sailing Regatta
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Aug. 6-8, Adelboden: Open Tennis Tournament.

Aug. 7-8, Saignelégier: National Horse Market and Horse Races.
Aug. 8-18, Gstaad: Fourth Yehudi Menuhin Festival.

Aug. 10, Grindelwald: Mountain Folk Festival.

Aug. 10-26, St. Moritz: St. Moritz Tennis Fortnight.

Aug. 13 to Sept. 7, Lucerne: International Festival of Music.

End of August, St. Moritz: Equestrian Sports Meeting.

Sept., Montreux: Fifteenth Musical September of Montreux.

Sept. 11, Lucerne: International Horse Races.



Antique painted Swiss furniture in the house of Mr. and Mrs. Robert Berenson at Klosters is reminiscent of Tyrolean furniture. Antiques of this type are much sought after by collectors.

YOUR MUSIC SYSTEM

continued from page 65

Improving your radio tuner

There are several things you can do to enhance the performance of your radio tuner.

A proper antenna is important for good reception of broadcasts. Most tuners are sold with indoor antennas, which are fine if you live within 15 miles of your favorite radio stations. But if you live further than 15 miles from a station you want to hear, you will need an outdoor antenna. Don't try to economize by using your TV antenna for an FM tuner—it will only give you a lot of unnecessary interference. Find out what type of antenna your tuner needs and hook it onto your TV antenna.

If your radio and records play through the same speaker and you have to change the volume control to a different setting every time you switch from one to the other, check to see if your radio tuner has a "level set" knob so you can permanently adjust its output to match that of your phonograph. This will make listening and operating much easier.

If you hear static distortion on your tuner, check with a neighbor listening to the same station to see if he hears the same noises on his set. If he does, the trouble is not in your set—but probably at the radio station. If he doesn't, have your tuner checked at a local radio repair shop.

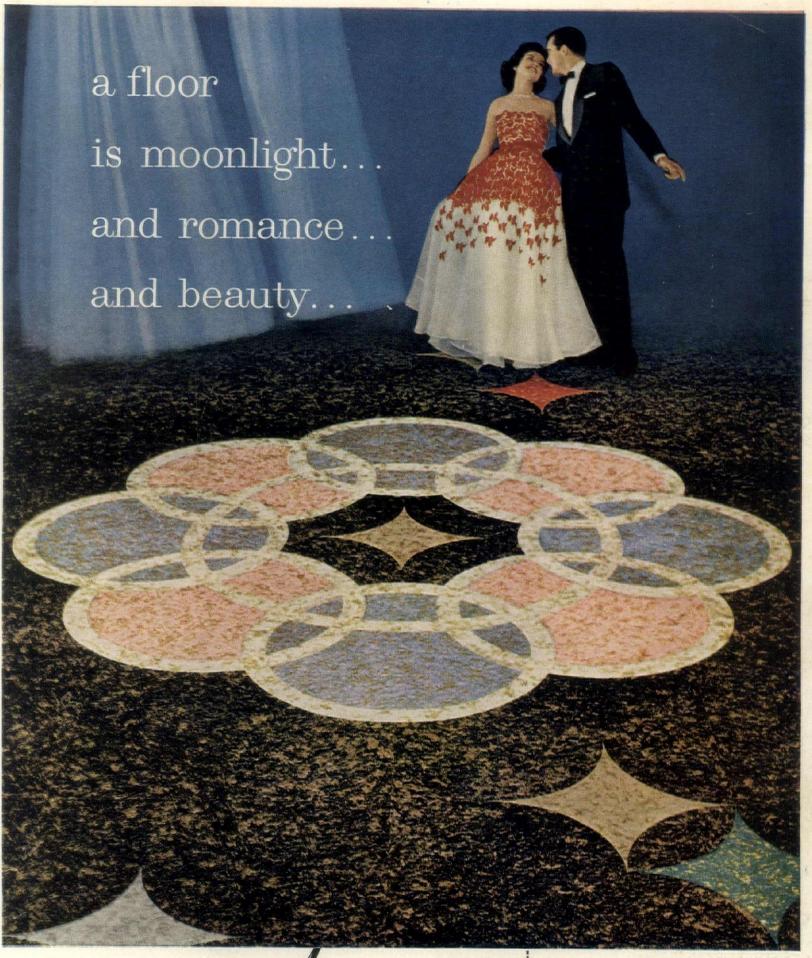
Cleaning a tape recorder

The main things you can do to maintain the performing excellence of your tape recorder are to keep the tape heads clean and demagnetized.

Tapes leave deposits of oxide when passing over the tape heads, which in time tend to muffle the sound, so the tape heads should be cleaned off after every 10-20 hours of recording or playing. There are several cleaning solutions for this job available at hi fi dealers; you can apply them with a Q-tip or a small, soft paint brush.

If you hear a steady hissing noise in the background of a tape, it probably means the tape heads need to be demagnetized. This job should be done every time you clean the tape heads. Buy a tape head demagnetizer (available at hi fi dealers for about \$3.95-\$10) and follow the simple instructions.

Once a year treat your whole music system to a thorough checkup at a hi fi repair shop.



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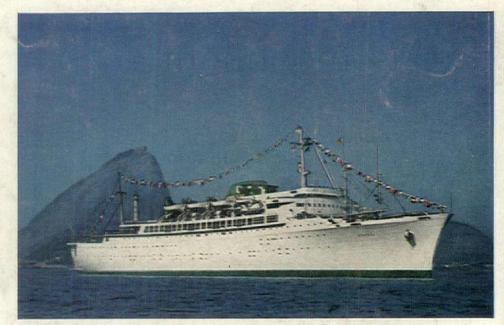
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